

RM-E1000T

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model



For MICRO FLOPPYDISK DRIVE, refer to the
"MPF420-1/11C of SERVICE MANUAL
MPF420" (9-976-305-10).

SPECIFICATIONS

Input jacks

Video	5 lines (PLAYER INPUT 1/2/3/RECORDER IN/PROCESSOR IN) S-VIDEO IN: 4-pin mini DIN (5) Luminance 1 Vp-p, 75 ohms, unbalanced, sync negative Chrominance 286 mVp-p, 75 ohms, unbalanced VIDEO IN: Phono jack (5) 1 Vp-p, 75 ohms, unbalanced, sync negative 6 lines (PLAYER INPUT 1/2/3/AUX AUDIO INPUT/RECORDER IN/PROCESSOR IN) Phono jack -7.5 dBs, impedance 47 kohms or more
Microphone	Minijack (front 1) -60 dBs, 3 kohms or more

Output jacks

Video	4 lines (RECORDER OUT/MONITOR OUT / PROCESSOR OUT 1/2) S-VIDEO OUT: 4-pin mini DIN (4) Luminance 1 Vp-p, 75 ohms, unbalanced, sync negative VIDEO OUT: Phono jack (4)
Audio	1 Vp-p, 75 ohms, unbalanced, sync negative 4 lines (RECORDER OUT/MONITOR OUT / PROCESSOR OUT 1/2)

• LANC	Phono jack, -7.5 dBs, impedance 470 ohms or less
CTRL S	Stereo mini-minijack (rear 3, front 1)
GPI	Minijack (1)
EDIT I/F	Minijack (1)
IR REPEATER	8-pin mini DIN (1)
Headphones	Stereo mini-minijack (1)

General

Power requirements	European models except the United Kingdom: 220 - 230 V AC, 50/60 Hz The United Kingdom models: 230 - 240 V AC, 50 Hz USA/Canadian models: 120 V AC, 60 Hz
Power consumption	18 W
Operating temperature	5°C to 35°C (41°F to 95°F)
Storage temperature	-20°C to +60 °C (-4°F to +140°F)

—continued on next page—

VIDEO EDITING CONTROLLER/TITLER
SONY[®]



Dimensions	Main unit: Approx. $430 \times 71 \times 360$ mm (w/h/d) ($17 \times 2\frac{7}{8} \times 14\frac{1}{4}$ inches) Control unit: Approx. $340 \times 55 \times 228$ mm (w/h/d) ($13\frac{1}{2} \times 2\frac{1}{4} \times 9$ inches) Keyboard: Approx. $340 \times 50 \times 180$ mm (w/h/d) ($13\frac{1}{2} \times 2 \times 7\frac{1}{8}$ inches)
Mass	Main unit: Approx. 4 kg (8 lb. 13 oz.) Control unit: Approx. 1 kg (2 lb. 3 oz.) Keyboard: Approx. 0.7 kg (1 lb. 9 oz.)

Supplied accessories

See page 1-5.

Design and specifications are subject to change without notice.

Note (AEP, UK models: PAL)

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

US, Canadian models : NTSC

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
4. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
5. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
6. Check the B+ voltage to see it is at the values specified.
7. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

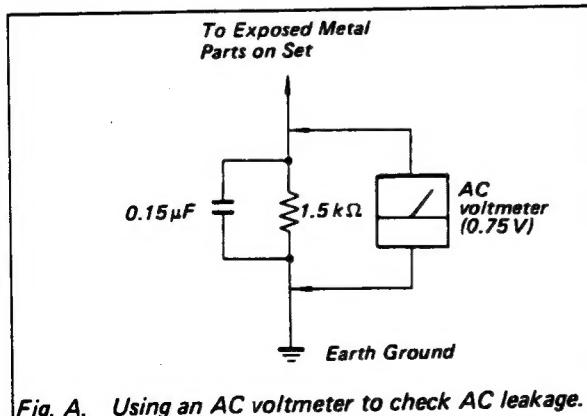


Fig. A. Using an AC voltmeter to check AC leakage.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK OR DOTTED LINE WITH MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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SERVICE NOTE

SERVICE MODE

• As well as normal operations, RM-E1000T offers Service Mode. Various functions to help you service and check the set are incorporated in the system and available in this mode.

The function to read the contents of a destroyed floppy disk is available.

This is helpful for responding to a recovery request from a customer who destroyed its important data by any accidental trouble such as disk failure.

CAUTION : The contents of memory storing edit data may be destroyed. The data should be stored in a floppy disk in normal mode before entering Service Mode.

1. ENTRY IN SERVICE MODE

• To put RM-E1000T in Service Mode, proceed as follows:

- 1) Connect a monitor to MONITOR OUT terminal.
- 2) Connect Control Unit and Keyboard to Main Unit.
- 3) Put the system in STAND-BY mode.
- 4) Move all of four slide VR's (MIC LEVEL/AUDIO MIX/AUDIO FADER/VIDEO FADER) on Control Unit to the top position.
- 5) Push POWER button and hold down it and perform the following operations:
 - 5-1) Wait the Demo screen to appear.
 - 5-2) Lower AUDIO FADER slowly (to bottom).
 - 5-3) Lower VIDEO FADER slowly (to bottom).
 - 5-4) Raise AUDIO FADER slowly (to top).

• When Steps 1) to 5) are normally performed, the Service Menu will be displayed with a beep.

① —	E1000T	(□□□□□□□)
② —	Menu	(□□□□□□□)
③ —	MENU TOUR	
④ —	Color Bar	
⑤ —	Key	
⑥ —	LED	
⑦ —	Volume/JS	
⑧ —	ROM/RAM/AB	
⑨ —	FD Check	
⑩ —	FD Load Compulsion	
	Ready • Load OK	

Service Menu

2. USE OF SERVICE MODE

(Refer to Service Menu)

- ① — This indicates the version of Front micom.
- ② — This indicates the version of Menu ROM.
- ③ — Select this with the cursor and press YES to display all Menu and Dialogue information. (Select the desired menu and language with the cursor.)
- ④ — Select this with the cursor and press YES to display color bar. (Press NO to return to Service Menu.)
- ⑤ — Select this with the cursor and press YES to display the name of a specific button key on control unit. Push that button. When all the buttons have been pushed, you will return to Service Menu. (The buttons on control unit can be checked.)
- ⑥ — Select this with the cursor and press YES to allow the LED indicator on control unit specified on the screen to be lit. Go to the next LED with the down cursor key. When all the LED indicators have been lit, you will return to Service Menu. (The LED's on control unit can be checked.)
- ⑦ — Select this with the cursor and press YES to display the current set values of slide VR's and Jog/Shuttle on control unit. Move these controls. The values of slide VR's will change from 0 to 255. Depending on the number of rotations, the value of Jog Pulse will change from 0 to 1 to 2... When Jog-dial control is rotated clockwise and it will change from 0 to 255 to 254... When rotated counter clockwise. Depending on the angle of turn, the value of Shuttle position will increase when Shuttle control is turned clockwise and it will decrease when turned clockwise.
Press NO to return to Service Menu.
- ⑧ — Select this with the cursor and press YES to open the Menu ROM and RAM Check Menu. Select each memory and press YES to check it. (This function is used for software debugging as well as Menu ROM and RAM check.)
Press NO to return to Service Menu.
CAUTION : Other than check, the contents of memory storing edit data will be destroyed. The data be stored in a floppy disk in normal mode.
- ⑨ — This is used for floppy disk drive check. Select this with the cursor and press YES to open the FD Tests Menu.

FD Tests

TEST LINE
TEST NO DISK
TEST WRITE PROTECT
TEST 2DD
TEST 2HD

FD Tests Menu

- 1) TEST LINE : Press YES to check communication between Front micom and FD micom. This should be checked first of all. (After this check, move to the next item.)
- 2) TEST NO DISK : Press YES without inserting floppy disk. This checks the disk-remove detect function.
- 3) TEST WRITE PROTECT : Insert a write-protected floppy disk into drive and press YES. This checks the write-protect detect function.
- 4) TEST 2DD : Insert a 2DD floppy disk whose data may be cleared and press YES. This performs the format-save-verify operation.
- 5) TEST 2HD : Insert a 2HD floppy disk whose data may be cleared and press YES. This performs the format-save-verify operation.

• Select NO from FD Tests Menu to return to Service Menu.

⑩ — This mode reads by compulsion a floppy disk that cannot be read in normal mode. In normal mode, the system check the format of all data and will load data on memory only when there is no fault. This function is used if you want to read the data on a partially destroyed disk anyhow.

Insert destroyed floppy disk into drive and press YES. If destroyed data is found, the Test Disk Error dialogue will be displayed. Take a note of the sector number. Press YES to return to Service Menu.

If only that sector is destroyed, OK will be marked “●”. If any other sectors are destroyed, Load will be marked “●”. If so, press YES. The system continues this operation and find another destroyed data.

When OK is marked “●”, press MENU button and return to normal mode. Save the data to a new floppy disk.

For how the destroyed sector numbers are associated with the data, see the following table.

Load Compulsion

Test Disk Error

SECT □□□□

(□□□□ : Sector No.)

Test Disk Error Dialogue

• SECTOR DATA TABLE

SECTOR	DATA
000	SYSTEM DATA, CUT DATA 1
001	CUT DATA 2, 3
002	CUT DATA 4, 5
003	CUT DATA 6, 7
004	CUT DATA 8, 9
005	CUT DATA 10, 11
044	CUT DATA 88, 89
045	CUT DATA 90, 91
046	CUT DATA 92, 93
047	CUT DATA 94, 95
048	CUT DATA 96, 97
049	CUT DATA 98, 99
050-051	TIMING ADJUST DATA
052-067	REMOTE COM LEARNING DATA
068-071	TITLE DATA 1
072-075	TITLE DATA 2
076-079	TITLE DATA 3
080-083	TITLE DATA 4
084-087	TITLE DATA 5
088-091	TITLE DATA 6
092-095	TITLE DATA 7
096-099	TITLE DATA 8
100-103	TITLE DATA 9
104-107	TITLE DATA 10
108-111	TITLE DATA 11
112-115	TITLE DATA 12
116-119	TITLE DATA 13
120-123	TITLE DATA 14
124-127	TITLE DATA 15

SECTION 1

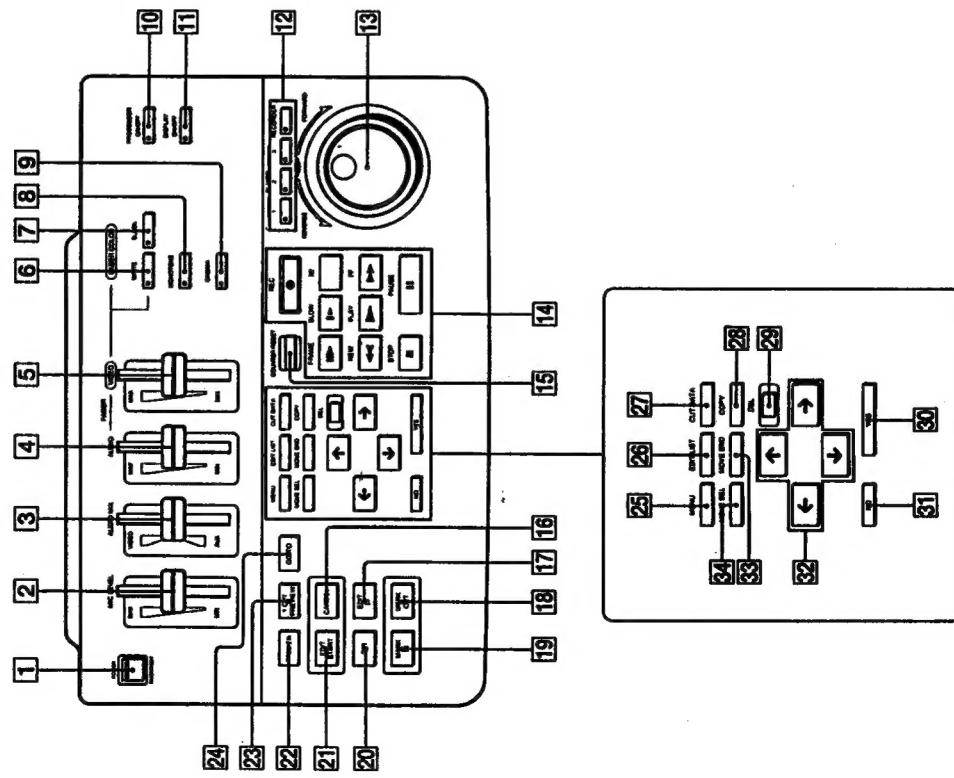
GENERAL

This section is extracted from instruction manual.

Parts Identification

For the use of each control, see the pages indicated in the parentheses.

Control Unit

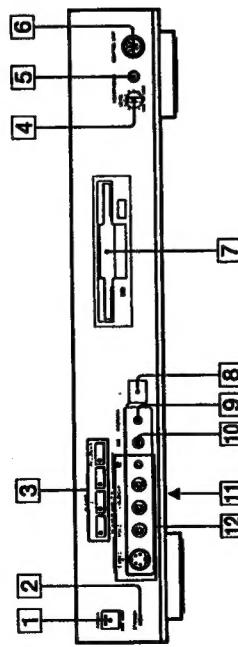


① POWER ON/STANDBY switch (p. 17, 27)	② EDIT START button (p. 32)
② MIC (microphone) LEVEL lever (p. 44)	③ PREVIEW button (p. 31)
③ AUDIO MIX lever (p. 44)	④ 1 CUT PREVIEW button (p. 31)
④ AUDIO FADER lever (p. 43)	⑤ GO TO button (p. 37, 41)
⑤ VIDEO FADER lever (p. 43)	⑥ MENU button (P. 17, 46, 51, 57)
⑥ WHITE button (p. 43)	⑦ EDIT LIST button (p. 37)
⑦ BLACK button (p. 43)	⑧ CUT DATA button (p. 35, 36, 42)
⑧ MONOTONE button (p. 41)	⑨ COPY button (p. 38)
⑨ CINEMA button (p. 41)	⑩ DEL (delete) button (p. 39)
⑩ PROCESSOR ON/OFF button (p. 59)	⑪ YES button (p. 17, 37, 46, 51, 57)
⑪ DISPLAY ON/OFF button (p. 27)	⑫ NO button (p. 37)
⑫ PLAYER 1/2/3/RECODER select buttons (p. 28, 32)	⑬ Arrow buttons
⑬ Jog/shuttle dial (p. 30)	⑭ MOVE END button (p. 38)
⑭ Tape transport buttons (p. 30)	⑮ MOVE SEL (select) button (p. 38)
REC ● : Recording	
FRAME ↗ : Frame-by-frame playback	
SLOW ↗ : Slow (1/5 speed) playback	
×2 : Double-speed playback	
REW ↙ : Rewind	
PLAY ↘ : Playback	
FF ↘ : Fast-forward	
STOP ■ : Stop	
PAUSE II : Pause	
COUNTER RESET button (p. 29)	
CANCEL button (p. 31, 32)	
EDIT 1/F button (p. 60)	
MARK OUT button (p. 29)	
MARK IN button (p. 28)	
GPI button (p. 61)	

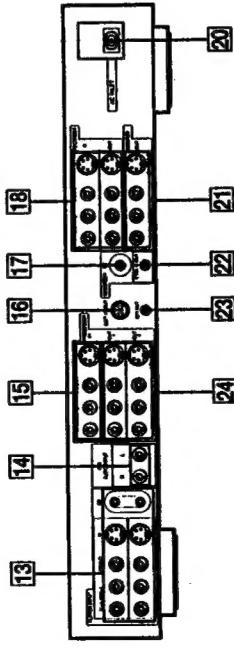
Parts Identification

Main Unit

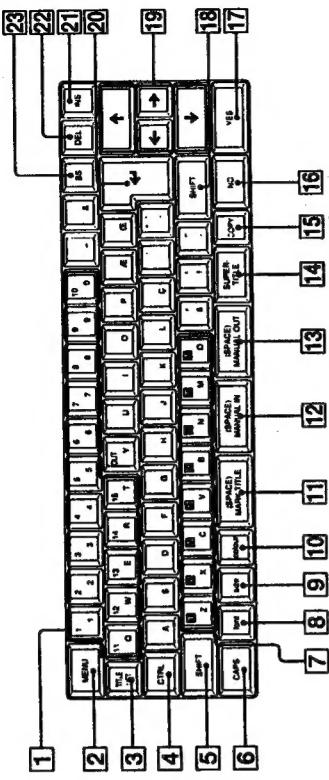
Front panel



Rear panel



Keyboard



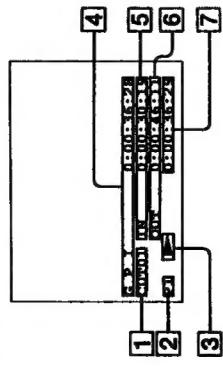
- [1] Title number buttons (1 to 15, OUT) (p. 55)
- [2] MENU button (p. 17, 46, 51, 57)
- [3] TITLE LIST button (p. 54)
- [4] CTRL (control) button (p. 54)
- [5] SHIFT button (p. 54)
- [6] CAPS button (p. 54)
- [7] Wipe effect buttons (p. 55)
- [8] "font" button (p. 54)
- [9] "size" button (p. 54)
- [10] "colour" button (p. 54)
- [11] MARK TITLE (SPACE) button (p. 54)
- [12] MANUAL IN (SPACE) button (p. 54, 55)
- [13] MANUAL OUT (SPACE) button (p. 54, 55)
- [14] SUPER-TITLE button (p. 54)
- [15] COPY button (p. 54)
- [16] NO button (p. 55)
- [17] YES button (p. 55)
- [18] SHIFT button (p. 54)
- [19] Arrow buttons (p. 54)
- [20] Return button (p. 54)
- [21] INS (insert) button (p. 54)
- [22] DEL (delete) button (p. 54)
- [23] BS (back space) button (p. 54)

- [1] POWER ON/STANDBY switch (p. 33)
- [2] Standby lamp
- [3] PLAYER/RECODER select buttons (p. 33)
- [4] HEADPHONES LEVEL control
- [5] HEADPHONES jack
- Connect the headphones (not supplied).
- [6] CONTROL UNIT connector (p. 11)
- [7] Floppy disk drive (p. 56)
- [8] Remote sensor (p. 20)
- [9] IR REPEATER connector (p. 15)
- [10] MIC (microphone) jack (p. 24)
- [11] Lithium battery compartment (bottom) (p. 6)
- [12] PLAYER INPUT 3 jacks (p. 10)
- [13] INPUT 1/2 jacks (p. 9)
- [14] AUX (auxiliary) AUDIO INPUT jack (p. 24)
- [15] PROCESSOR IN (input) jacks (p. 23)
- [16] EDIT I/F OUTPUT jack (p. 23)
- [17] RECORDER & LAN connector (p. 13, 14, 15)
- [18] RECORDER IN/OUT (input/output) connectors (p. 13, 14, 15)
- [19] AC INLET connector (p. 10)
- [20] MONITOR OUT (output) jacks (p. 10)
- [21] CTRL (control) S OUT (output) jack (p. 14)
- [22] GPI OUT (output) jack (p. 23)
- [23] PROCESSOR OUT (output) 1, 2 jacks (p. 23)

Parts Identification

Entry Mode Display

Turn on the power and press YES to display this.



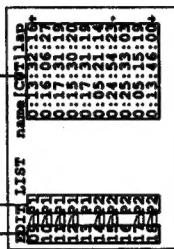
- ① Cut number
- ② Player number (The number indicates the 1, 2, or 3 of PLAYER INPUT jacks.)
- ③ Tape transport mode of the player
- ④ TITLE, EDIT I/F or GPI counter (Appears when you press TITLE, EDIT I/F or GPI, see p. 55, 60, 61);
- ⑤ IN point counter (or time code)
- ⑥ OUT point counter (or time code)
- ⑦ Current counter of the player

Edit List

Press EDIT LIST on the entry mode display to display this.

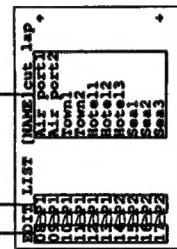
IN point list

- ① Cut number
- ② Player number
- ③ IN point



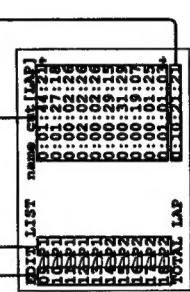
Cut name list

- ④ Cut number
- ⑤ Player number
- ⑥ Cut name



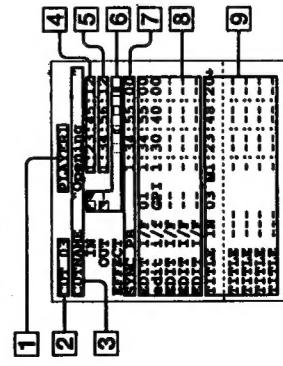
Lap time list

- ⑦ Cut number
- ⑧ Player number
- ⑨ Lap time (Playback time of each cut)
- ⑩ Total time of the program



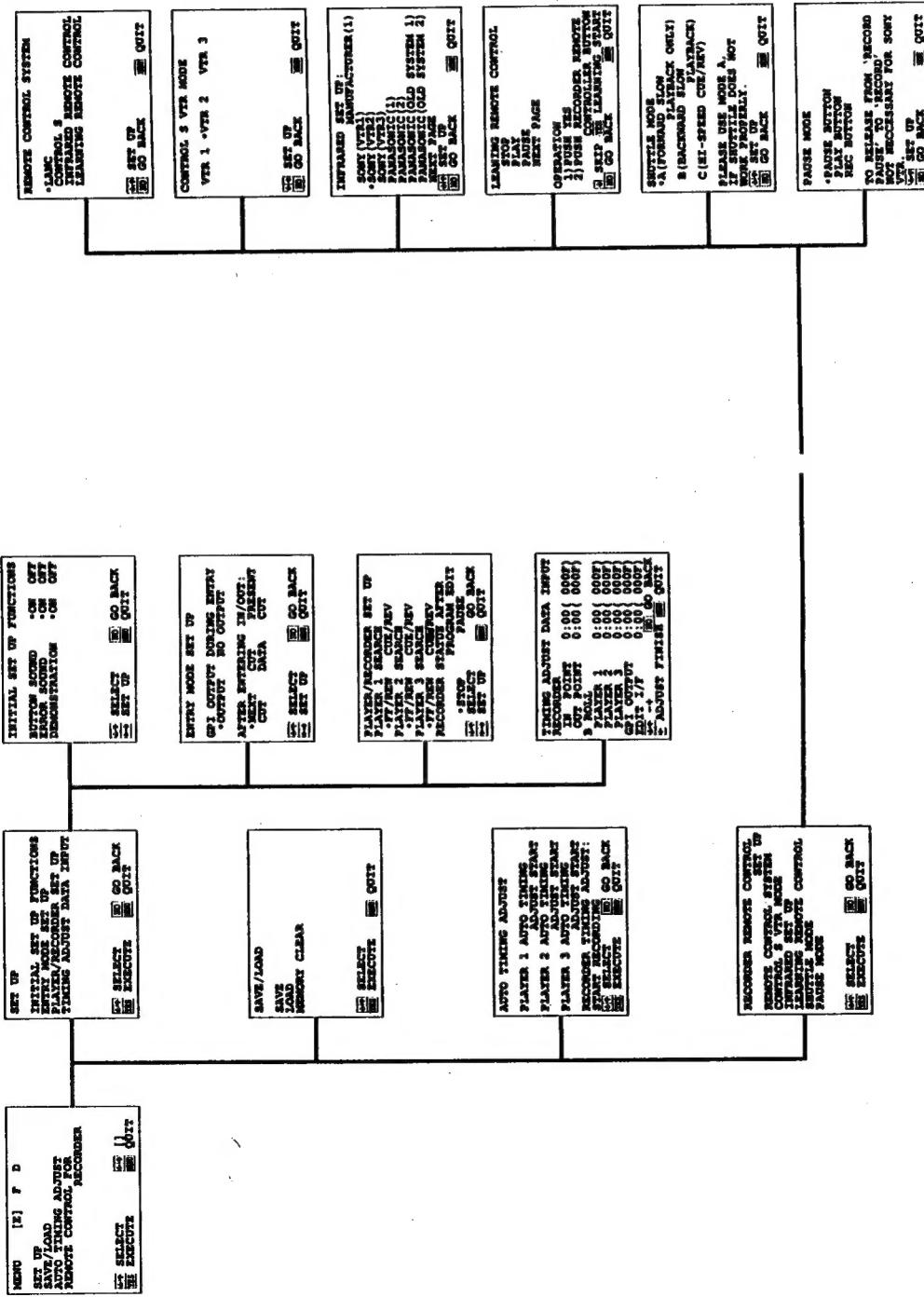
Cut Data Display

After selecting the cut number on the entry mode display, press CUT DATA to display this.

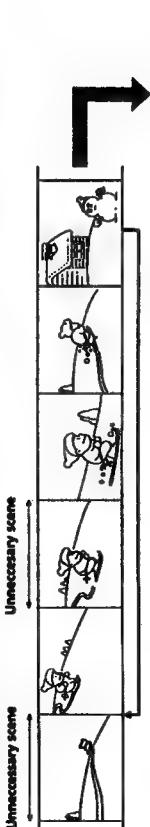


- ① Player number (The number indicates the 1, 2, or 3 of PLAYER INPUT jacks)
- ② Cut number
- ③ Cut name
- ④ IN point counter
- ⑤ OUT point counter
- ⑥ Video/audio effect icon (p. 41)
- ⑦ Synchronized playback point (p. 60)
- You can look at the following items by scrolling with ↑, ↓.
- ⑧ EDIT I/F or GPI points (p. 60, 61)
- ⑨ TITLE IN/OUT points (p. 55)

Menu Map



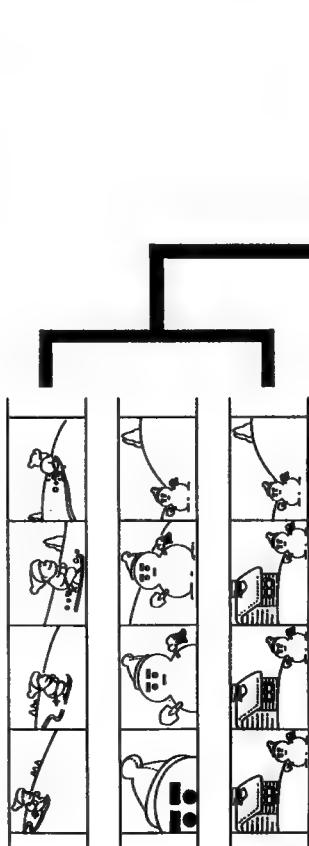
When you played back a tape, did you feel that it was too long and had some unnecessary scenes. Or, the tape would look more interesting if that scene came before this scene.



When you want to make one story using scenes from more than one tape



This unit enables you to edit using up to 3 pds.

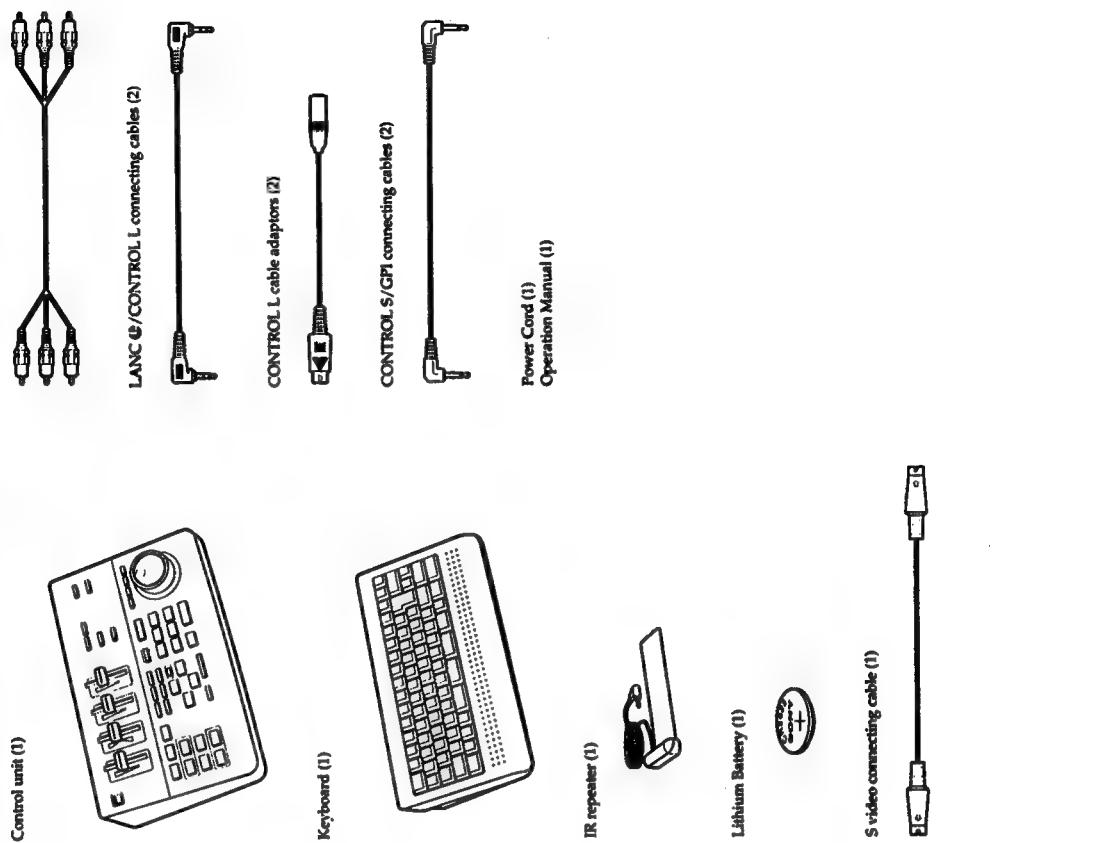


The unit can generate special effects such as monochrome and cinema (page 41) so that you can enjoy processing images. Furthermore, by connecting the Digital SEG (not supplied) to this unit, you can enjoy making various other effects.

The keyboard allows you to create and superimpose the titles for video images (p. 53).

Supplied Accessories

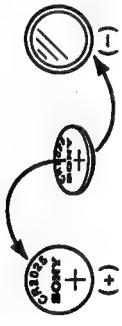
Check that the following accessories are included.



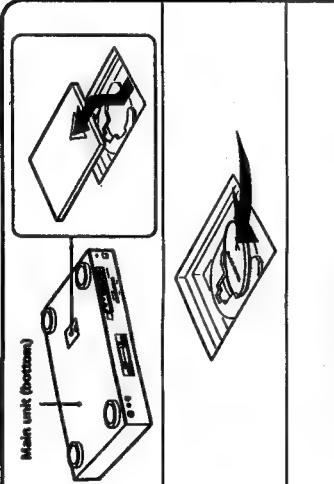
Installing the Lithium Battery

Install the supplied lithium battery to keep the data of program settings, timing adjustment setting, and the function of a non-Sony recorder stored. Note that the lithium battery has a positive (+) and negative (-) terminal as illustrated.

Be sure to install the lithium battery so that terminals on the battery match the terminals on the unit.



1 Open the lithium battery compartment lid at the bottom of the main unit.



2 Install the supplied lithium battery with + side facing out.



3 Close the lid.

To remove the battery

Press the side of the battery as shown in the illustration. To avoid a short-circuit, do not use a metallic object.



Lithium battery life
Approximately 1 year in normal operation. When the battery becomes weak, an error message (p.6) appears. When this happens, replace the battery with a Sony CR2025 lithium battery. Use of another battery may present a risk of fire or explosion.

Notes on lithium battery

- Wipe the battery with a dry cloth to assure a good contact.
- Do not hold the battery with metallic tweezers as they may cause a short-circuit.

WARNING

- Battery may explode if mistreated. Do not recharge, disassemble or dispose of in fire.

Caution

Keep the lithium battery out of the reach of children. Should the battery be swallowed, consult a doctor immediately.

Usable Video Equipment

To use the video editing controller/timer, you need a player and recorder as specified below. For the descriptions on connecting the equipment, see from page 9.

Player

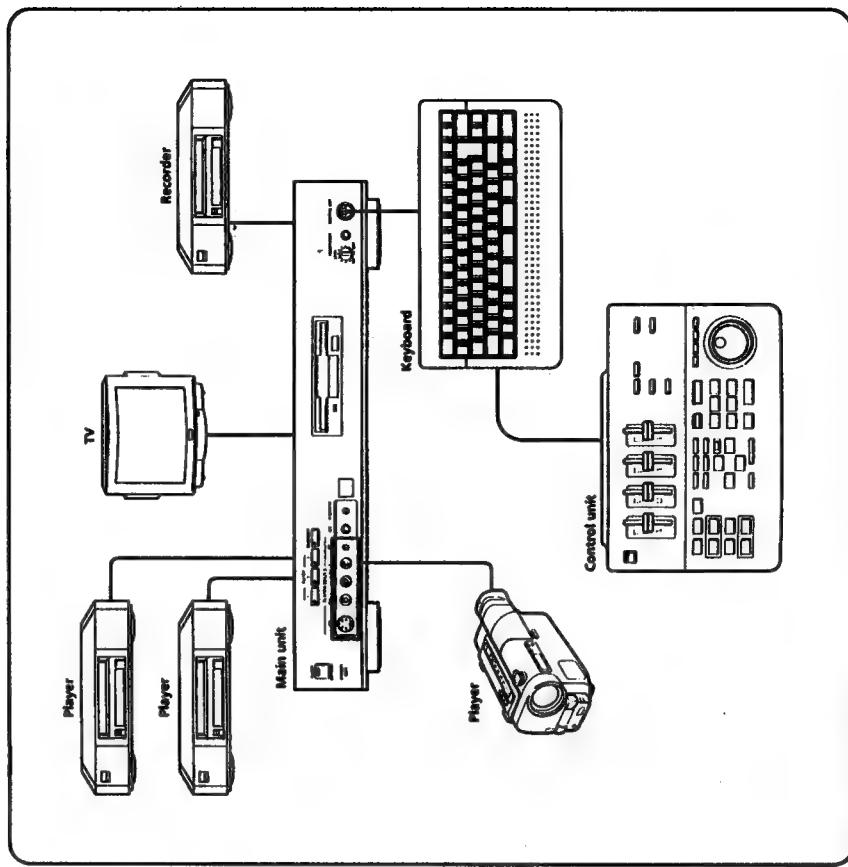
Video cassette player or video camera recorder that has:

- LANC  connector
- CONTROL L or REMOTE connector (Sony's)
- CONTROL S input connector (Sony's)
- Infrared remote control system (depending on models)

Recorder

Video cassette recorder or video camera recorder that has:

- LANC  connector
- CONTROL L or REMOTE connector (Sony's)
- CONTROL S input connector (Sony's)
- Infrared remote control system (depending on models)



Note on LANC  mark

 stands for Local Application Control Bus System. The  control jack is used for controlling the tape transport of the video equipment and peripherals connected to it. This jack has the same function as the connectors indicated as CONTROL L or REMOTE.

Usable Video Equipment

Connecting the Players

Notes on Connection

- Be sure to turn off the power of the equipment before connection.
- Be sure to use the equipment with its AC power adapter connected to a wall outlet. If a battery pack is used and exhausted during editing, the editing will stop on the way.
- When both the player and the recorder have S video jacks, we recommend using the S video jack to obtain a high quality picture.
- Connect the red plug to the right audio jack (red) and the white plug to the left audio jack (white).
- If you connect to both the S video and video input jacks, the S video signal is selected automatically. To view the video signal, disconnect the S video input jack.
- You may connect the player to the VIDEO INPUT jack and the recorder to the S VIDEO OUTPUT jack. Or you may connect the player to the S VIDEO INPUT jack and the recorder to the VIDEO OUTPUT jack. The video signal input to the video edit controller/timer can be output through both the S VIDEO and VIDEO OUTPUT jacks.

Optional Connecting Cables

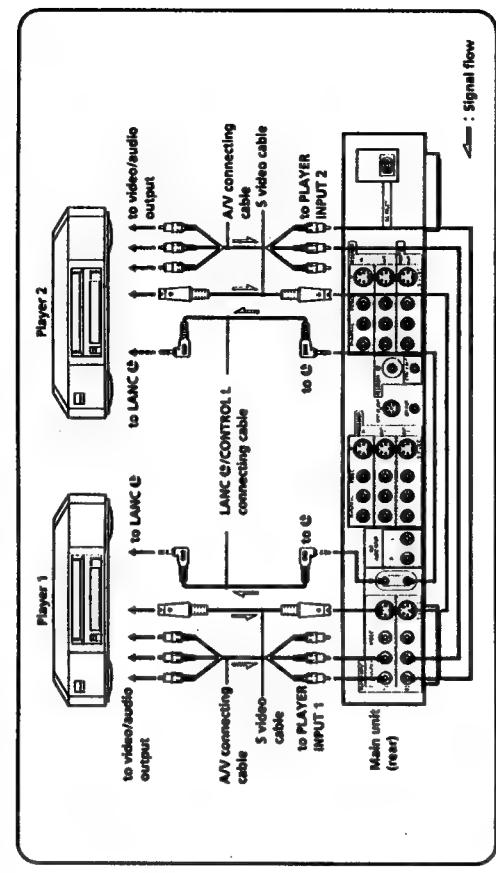
Use the supplied connecting cable to connect the player and recorder. When you need more cables, we recommend the following A/V connecting cables (not supplied).

AV connecting cable (m/f)	
VMC-810S VMC-815S VMC-820S VMC-830S	1/3 15/5 2/7 3/10
Audio: stereo ↔ stereo	
Phone plug 3 ↔ 3	
Phone plug 3 ↔ 2	
S connecting cable (m/f)	
YC-10V YC-15V YC-20V YC-30V	1/3 15/5 2/7 3/10
4-pin plug	
Video connecting cable (m/f)	
VMC-10 VMC-15 VMC-20 VMC-30	1/3 15/5 2/7 3/10
Phone plug	

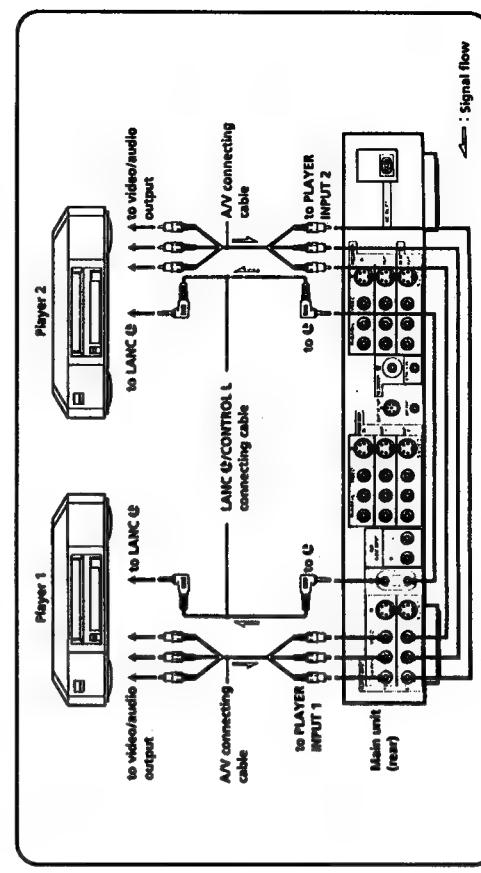
LANC & CONTROL L connecting cable (m/f) VK-620	2/7	L-shaped stereo mini-miniplug
EDIT IF connecting cable (m/f) SMF-540	2/7	5-pin DIN plug L-shaped stereo mini-miniplug
Audio connecting cable (m/f) RK-C310	1/3	stereo ↔ stereo
RK-C315	1.5/5	
RK-C320	2/7	
RK-C330	3/10	
RK-C210	1/5	stereo ↔ monaural
RK-C220	2/7	
RK-C230	3/10	
		Phone plug 2 ↔ 1
GPI connecting cable (m/f) RK-G60	1/3	
RK-G67	2/7	Miniplug Miniplug
Other accessories		Cable (m/f)
Microphone FPC-30 Headphones MDR-34	2/7 2/7	

You can connect up to 3 players. Connect them to the PLAYER INPUT 1 and PLAYER INPUT 2 jacks on the rear and the PLAYER INPUT 3 on the front of the main unit.

Connecting a Player with an S Video Jack



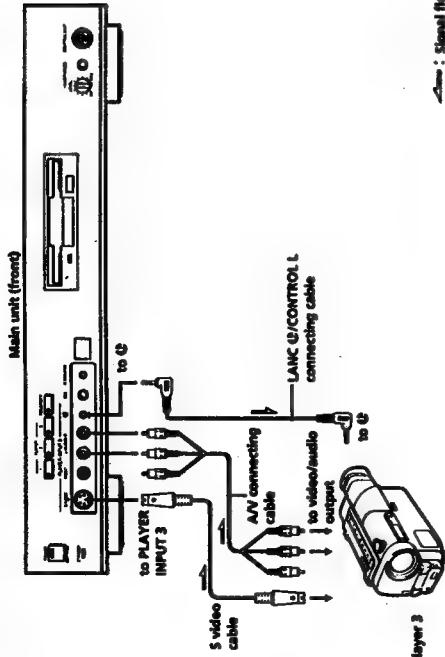
Connecting a Player without an S Video Jack



Connecting the Players

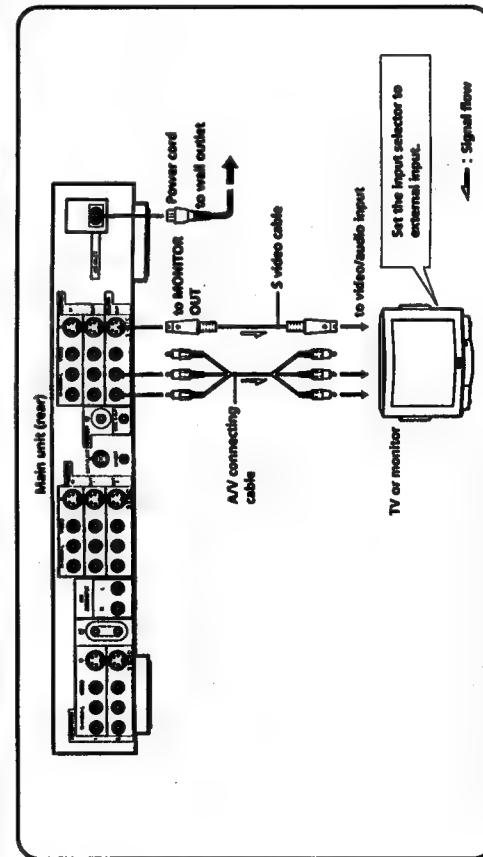
Connecting the Keyboard and Control Unit

Connecting the Player to PLAYER INPUT 3 on the Front



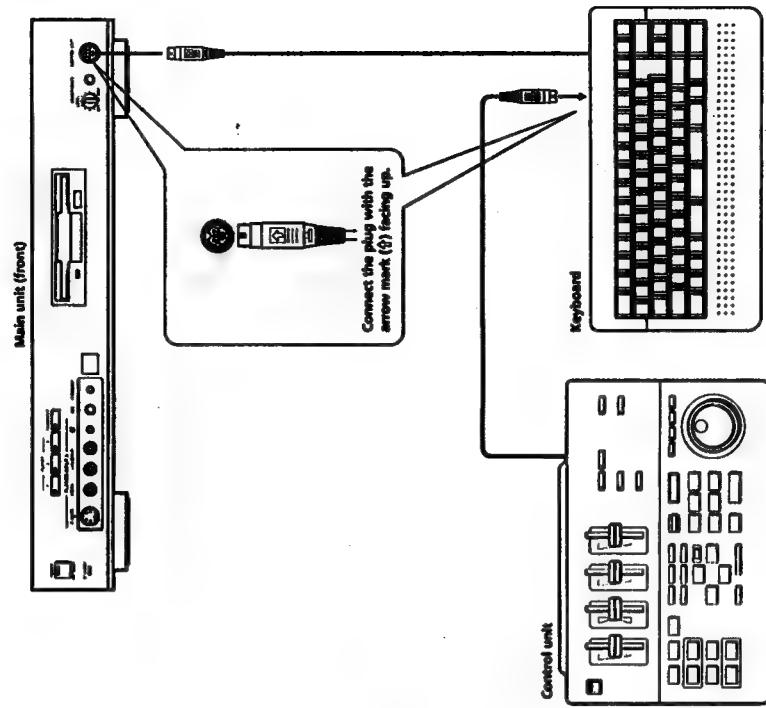
When the player has no S video jack, connect to the VIDEO jack.

Connecting the TV and Power Sources



10 When the TV has no S video jack, connect to the VIDEO jack.

Connect the keyboard directly to the main unit, and the control unit to the keyboard.
You can connect the control unit directly to the main unit when you do not use the keyboard.



Connecting the Recorder

Which Connection to Make?

The way to connect the recorder depends on what kind of control jack or system the recorder has. Follow the flowchart below to find out the connection for your recorder. After connecting the recorder as described in the appropriate page, set the recorder control system (p.16).

Start here.

Does the recorder have a LANC \ominus connector?

Yes No
Is the recorder a Sony?

Does the recorder have a CONTROL L or REMOTE connector?

Does the recorder have a CONTROL S connector?

Does the recorder have an infrared remote control system?

Connection [1] (page 13)

Connection [2] (page 14)

You cannot use your recorder with this video editing controller/titler.

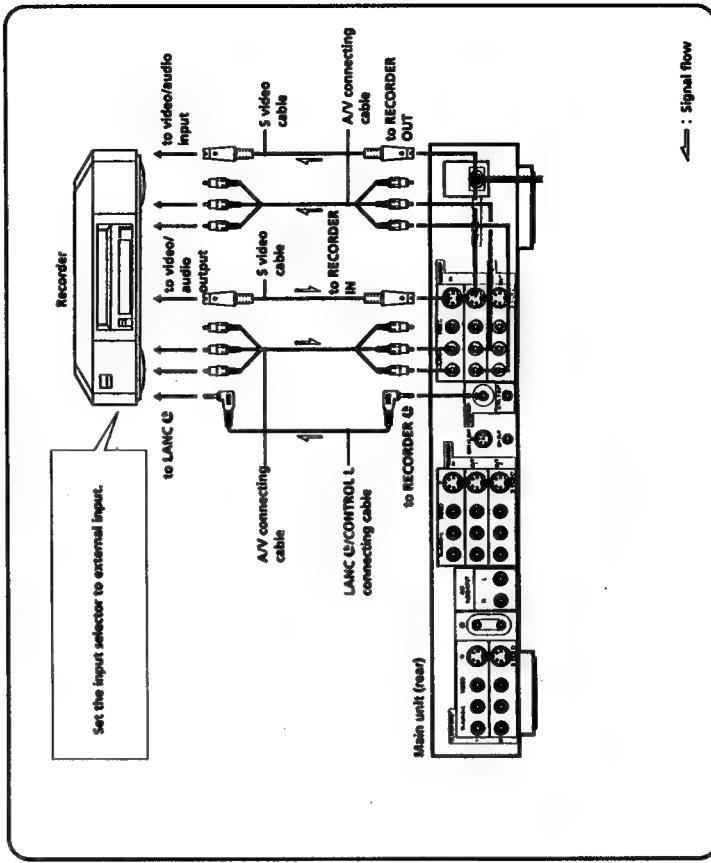
Connection [3] (page 15)

Connection [1]
The recorder has a LANC \ominus connector, or it is a Sony.
Follow the flowchart below:

- when your recorder has a LANC \ominus connector, or
- when your recorder is a Sony and has a CONTROL L or REMOTE connector.

Note: When you connect to the VIDEO jack, do not use the S VIDEO jack. If you do, the video signal cannot be input. When the recorder has no S video jack, connect to the VIDEO jack.

Set the input selector to external input.



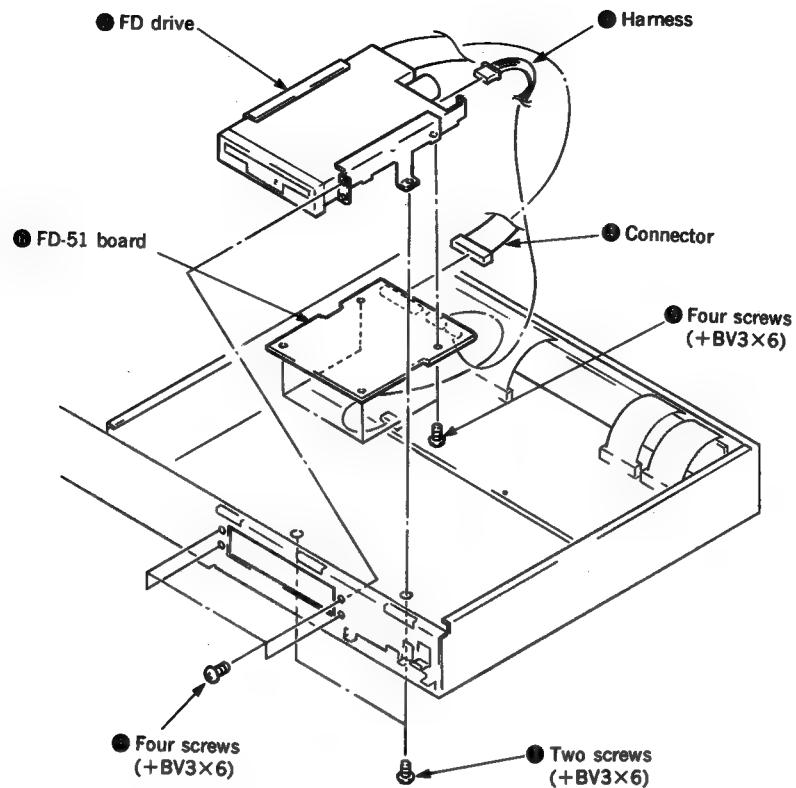
9-973-550-12

**Sony Corporation
Consumer A & V Products Company
Personal A & V Products Div.**

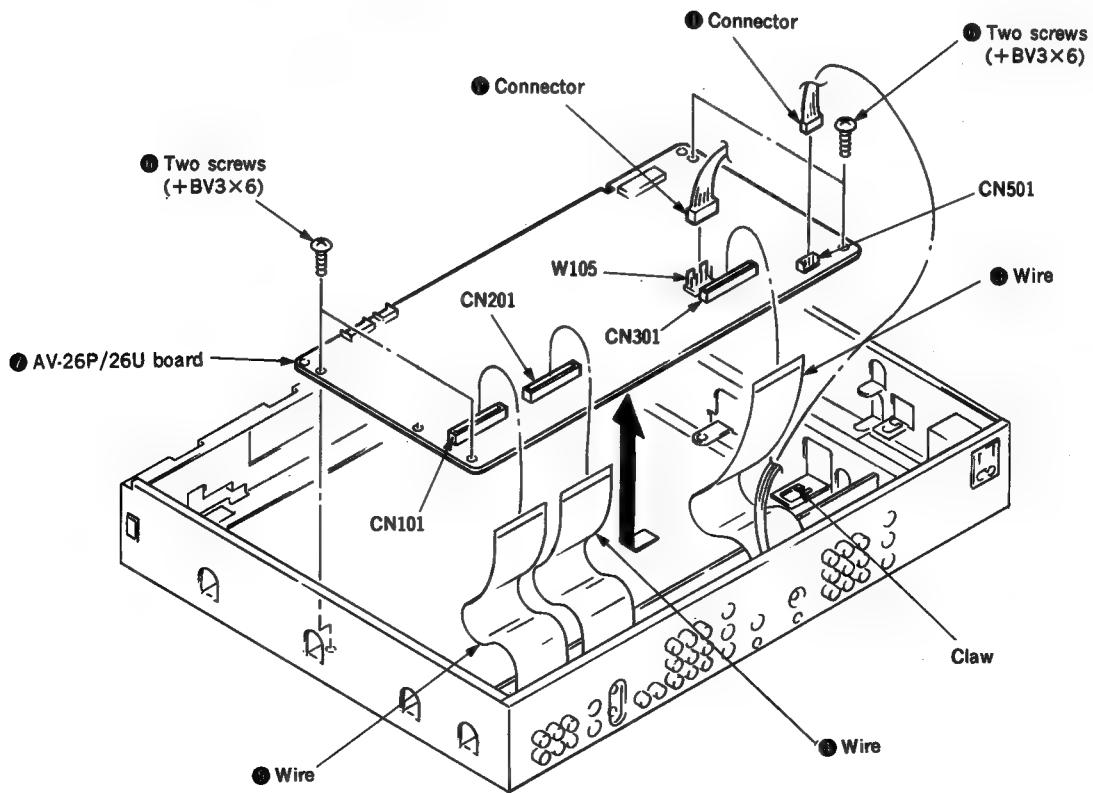
—176—

**English
94E0429-1
Printed in Japan
© 1994. 5**
**Published by Personal A & V Products Div.
Quality Engineering Dept.**

2-3. REMOVAL OF FD DRIVE AND FD-51 BOARD

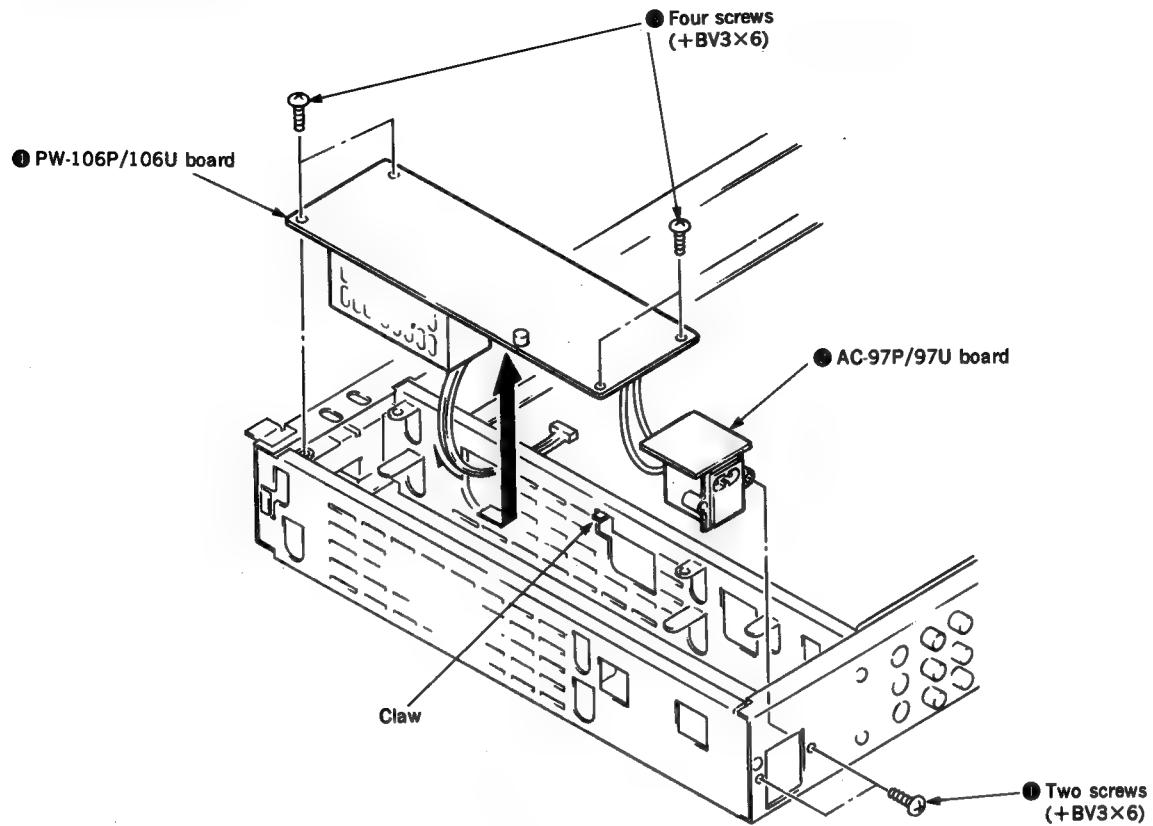


2-4. REMOVAL OF AV-26P/26U BOARD

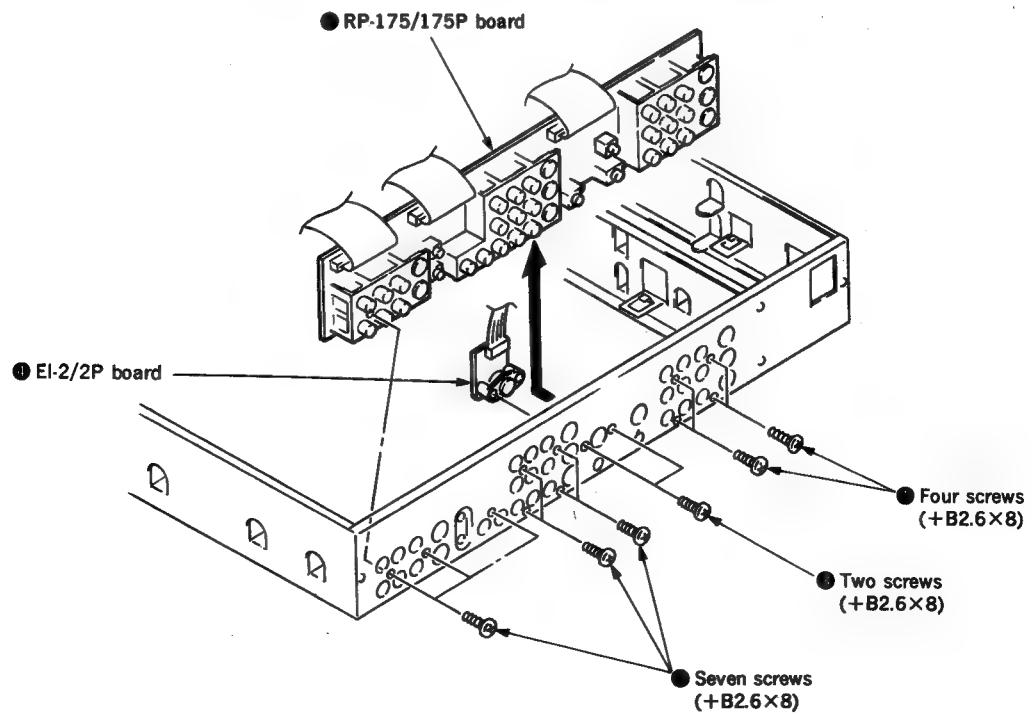


2-5. REMOVAL OF AC-97P/97U BOARD AND PW-106P/106U BOARD

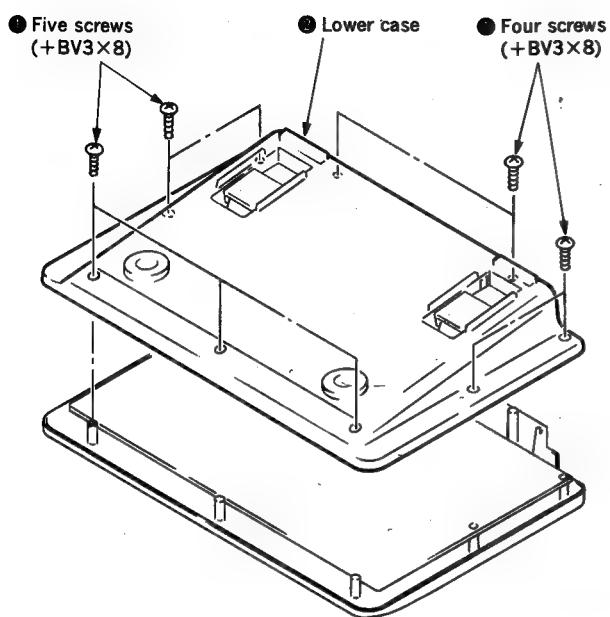
Note : The set positioned upside-down



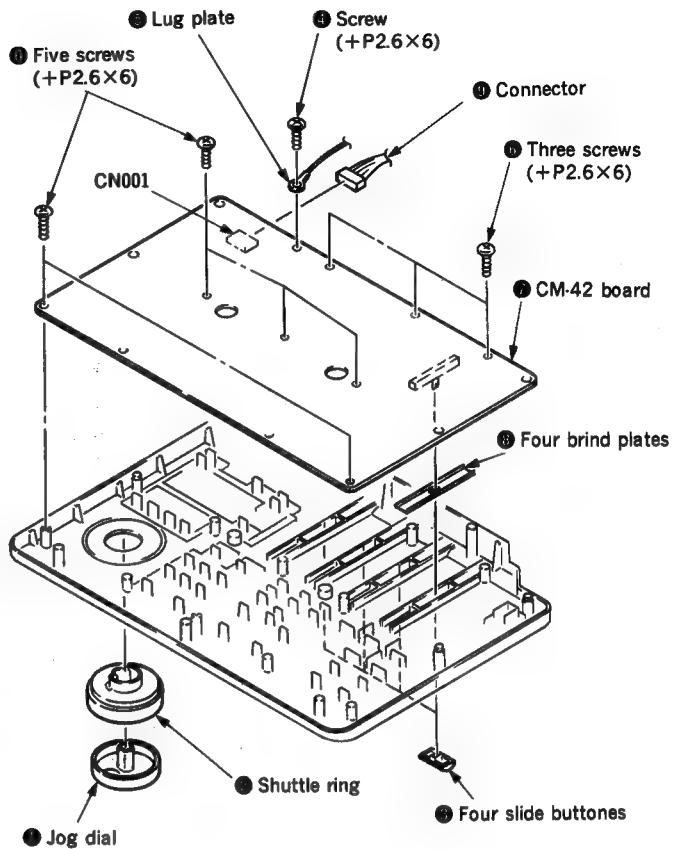
2-6. REMOVAL OF RP-175/175P BOARD AND EI-2/2P BOARD



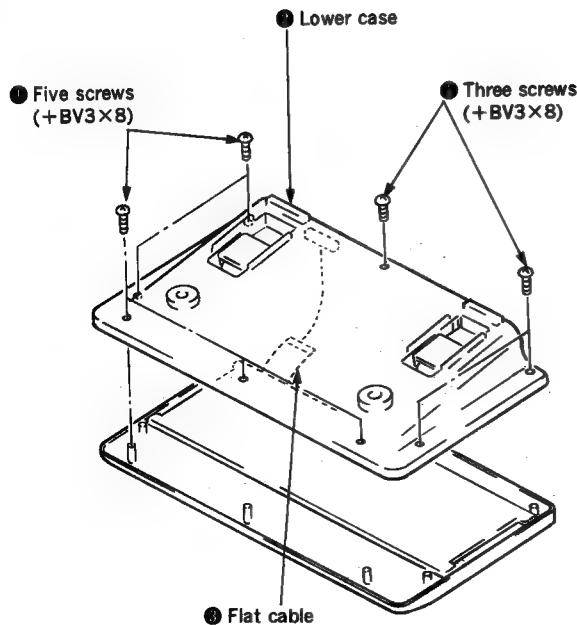
2-7. REMOVAL OF CONTROL UNIT LOWER CASE



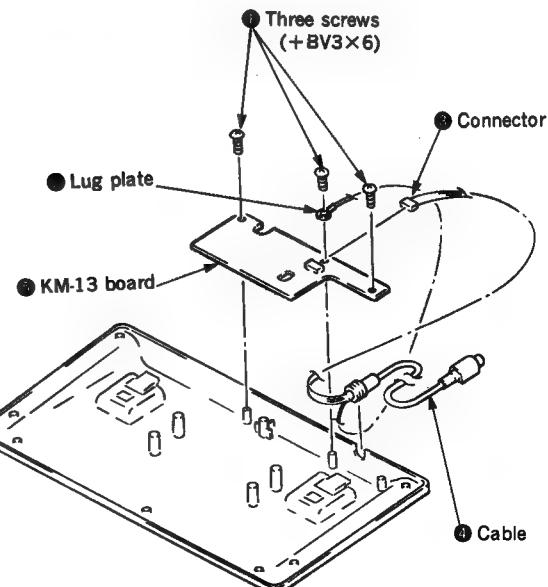
2-8. REMOVAL OF CM-42 BOARD (CONTROL UNIT)



2-9. REMOVAL OF KEYBOARD LOWER CASE

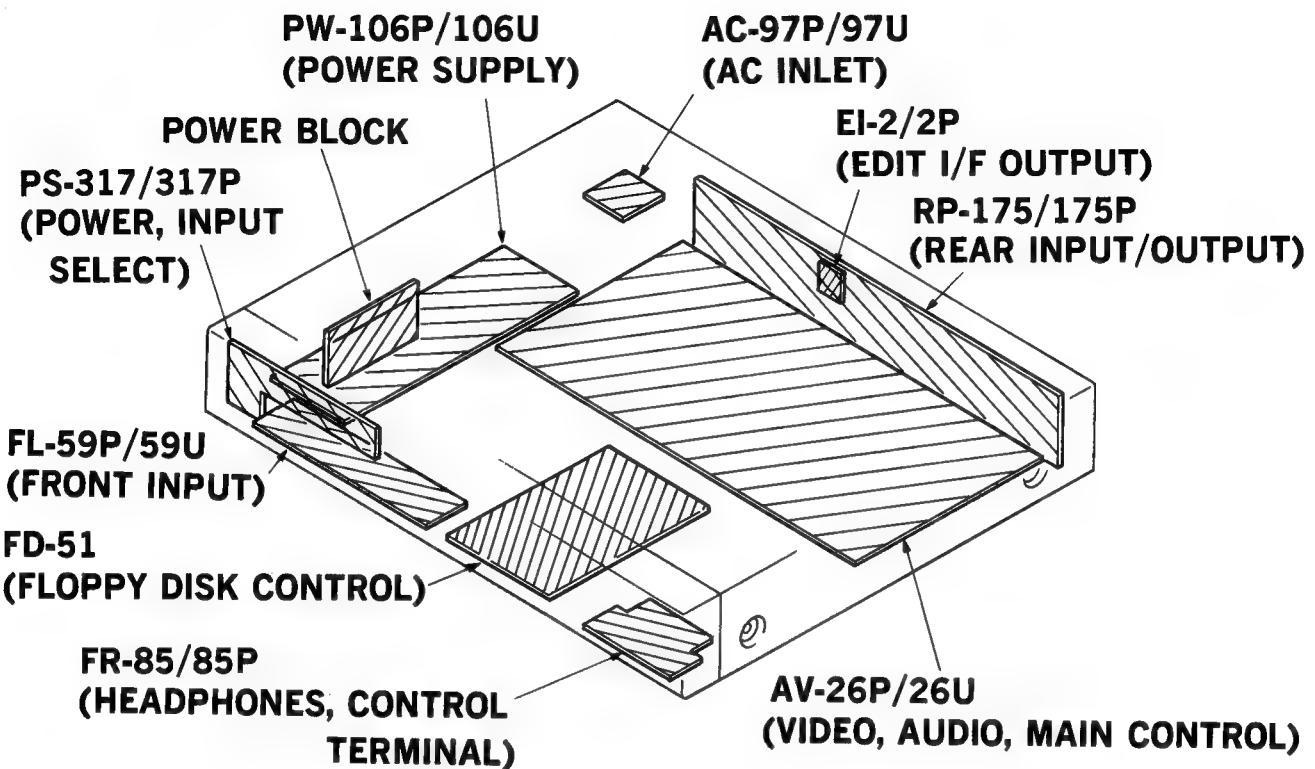


2-10. REMOVAL OF KM-13 BOARD (KEYBOARD)

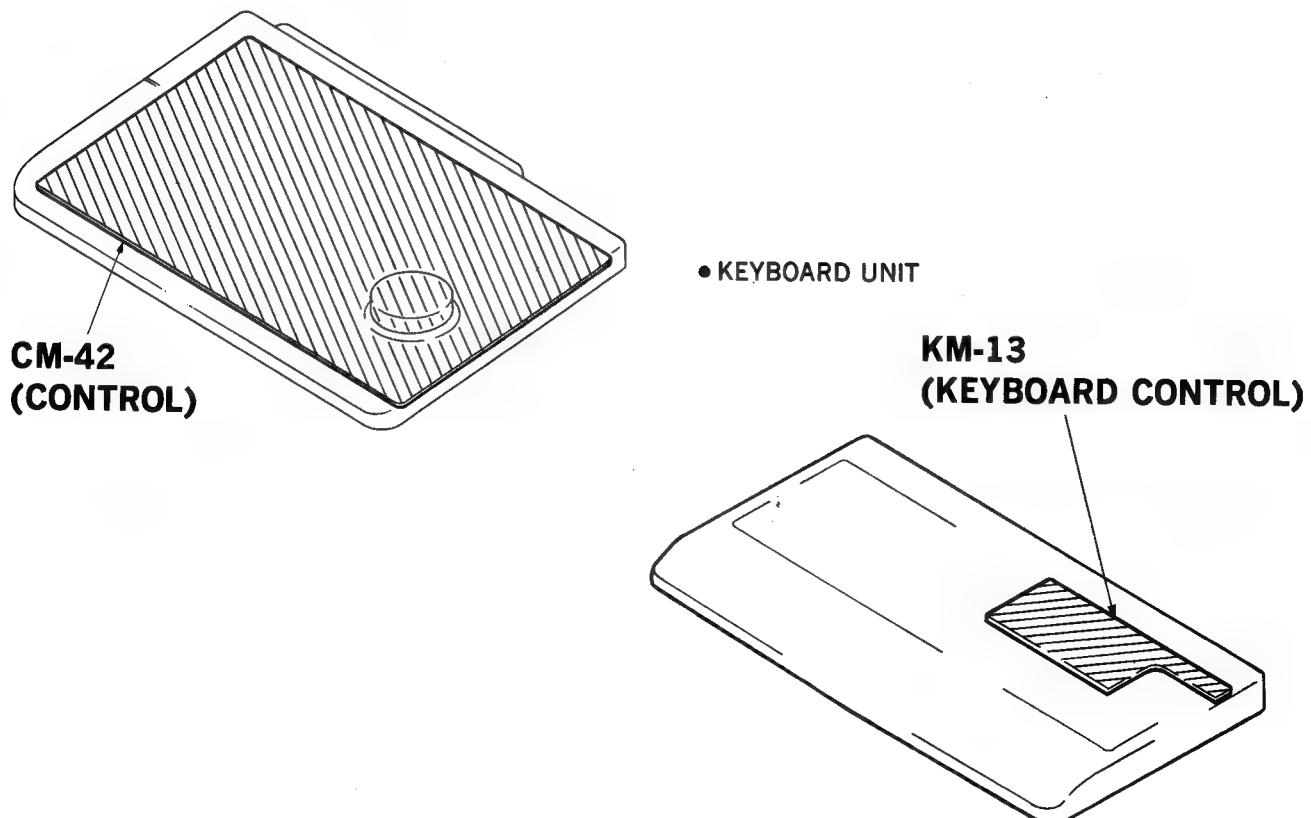


2-11. CIRCUIT BOARDS LOCATION

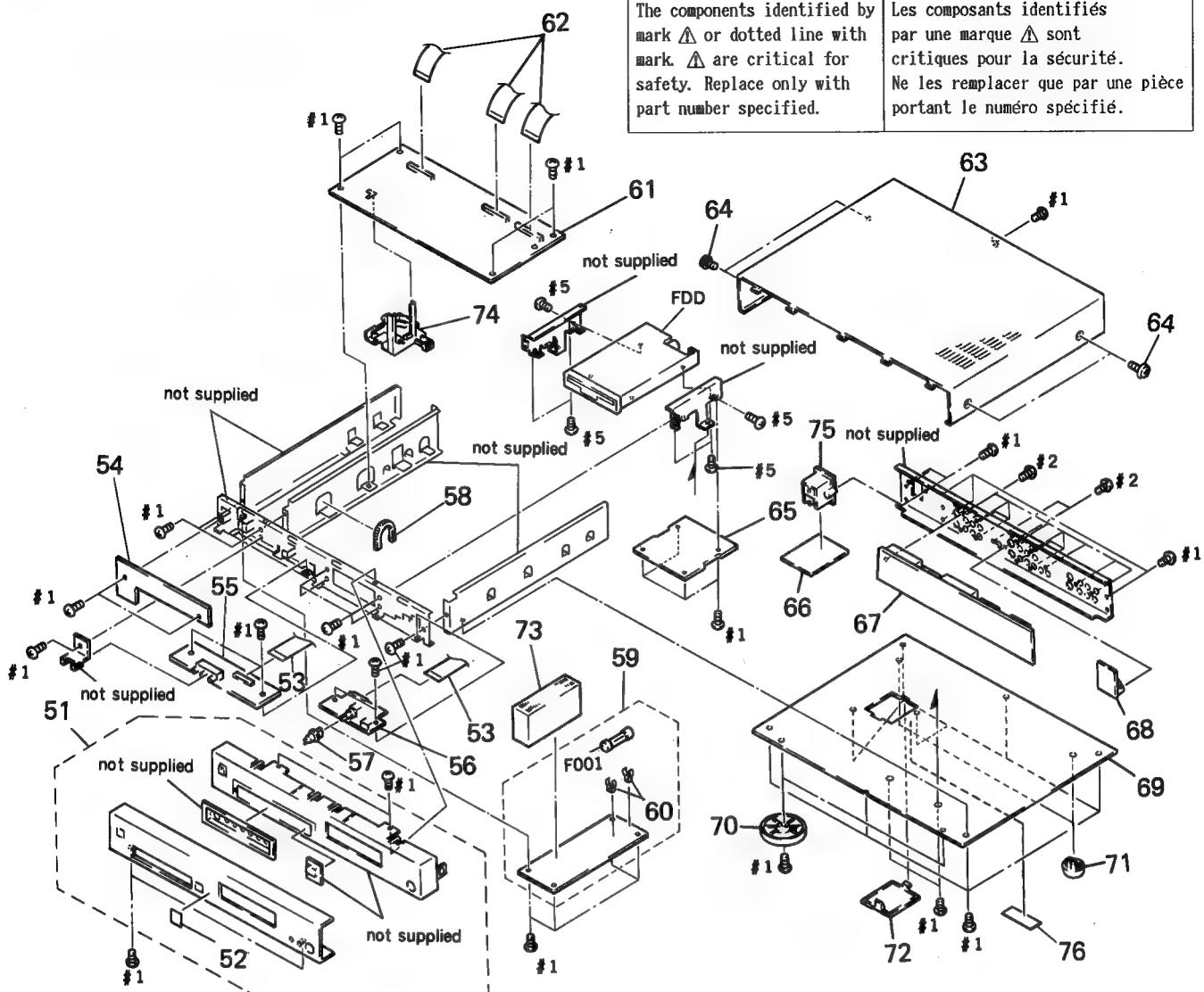
- MAIN UNIT



- CONTROL UNIT



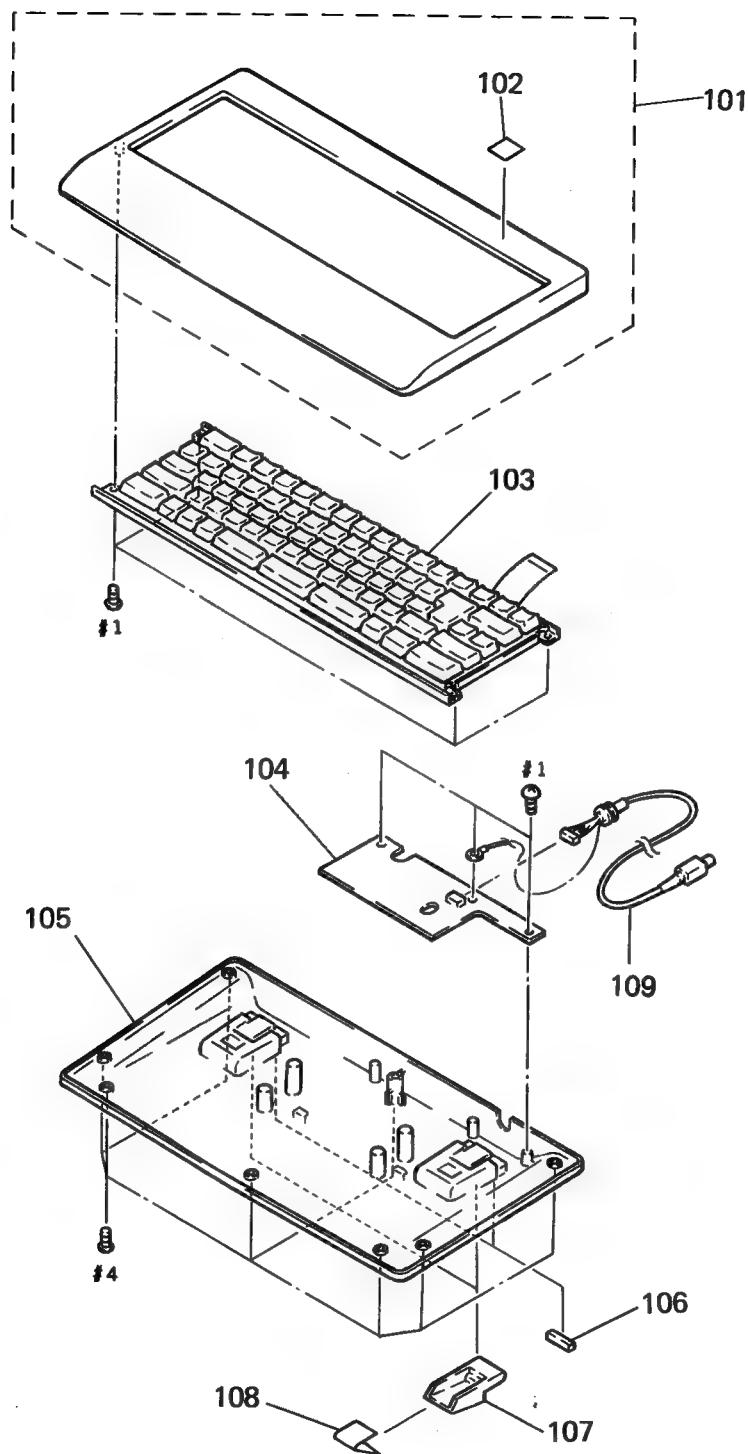
5-1-2. MAIN OVERALL ASSEMBLY



Ref. No.	Part No.	Description	Remark
51	X-3943-908-1	PLATE ORNAMENT ASSY, F (AEP, UK)	
51	X-3944-127-1	PLATE ASSY, ORNAMENTAL, F (US, Canadian)	
52	3-703-710-41	STICKER, SONY SYMBOL (12)	
53	1-751-996-11	CABLE, 1.0MM PITCH FLAT (FAF-1)	
* 54	A-7071-955-A	PS-317 BOARD, COMPLETE (US, Canadian)	
* 54	A-7072-021-A	PS-317P BOARD, COMPLETE (AEP, UK)	
* 55	A-7072-022-A	FL-59P BOARD, COMPLETE (AEP, UK)	
* 55	A-7072-047-A	FL-59U BOARD, COMPLETE (US, Canadian)	
* 56	A-7071-957-A	FR-85 BOARD, COMPLETE (US, Canadian)	
* 56	A-7072-023-A	FR-85P BOARD, COMPLETE (AEP, UK)	
57	4-929-707-01	KNOB (H. P)	
* 58	3-953-837-01	BUSHING, PROTECTION	
△* 59	A-7066-029-A	PW-106P BOARD, COMPLETE (AEP, UK)	
△* 59	A-7066-130-A	PW-106U BOARD, COMPLETE (US, Canadian)	
60	1-533-189-11	HOLDER, FUSE	
* 61	A-7066-028-A	AV-26P BOARD, COMPLETE (AEP, UK)	
* 61	A-7066-128-A	AV-26U BOARD, COMPLETE (US, Canadian)	
62	1-751-997-11	WIRE (FLAT) (FFC CONNECTOR)	
* 63	3-952-103-01	CASE, UPPER	
64	4-847-802-00	SCREW, CASE	

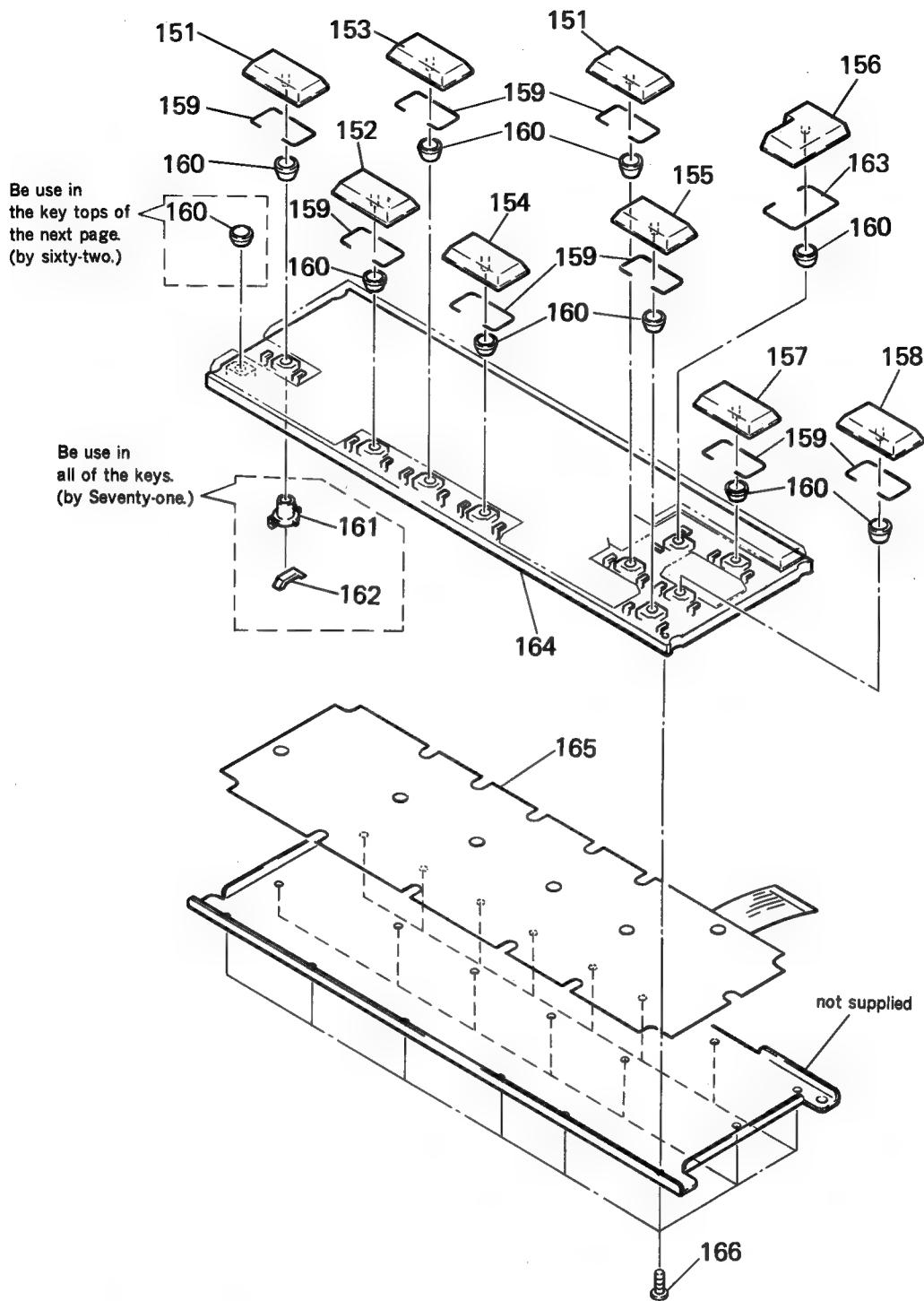
Ref. No.	Part No.	Description	Remark
* 65	A-7066-030-A	FD-51 BOARD, COMPLETE	
* 66	A-7072-018-A	AC-97P BOARD, COMPLETE (AEP, UK)	
* 66	A-7072-046-A	AC-97U BOARD, COMPLETE (US, Canadian)	
* 67	A-7071-953-A	RP-175 BOARD, COMPLETE (US, Canadian)	
* 67	A-7072-019-A	RP-175P BOARD, COMPLETE (AEP, UK)	
* 68	A-7071-954-A	EI-2 BOARD, COMPLETE (US, Canadian)	
* 68	A-7072-020-A	EI-2P BOARD, COMPLETE (AEP, UK)	
* 69	3-952-002-11	PLATE, BOTTOM	
70	X-3941-967-1	FOOT ASSY (FRONT)	
71	X-3701-069-4	FOOT ASSY, M.F	
* 72	2-352-647-01	LID, PRESET	
△73	1-413-895-11	POWER BLOCK (US, Canadian)	
△73	1-413-897-11	POWER BLOCK (AEP, UK)	
* 74	3-956-851-01	BLIND	
△75	1-251-134-11	INLET, AC (250V/2.5A) (AEP, UK)	
△75	1-251-135-11	INLET, AC (250V/1A) (US, Canadian)	
76	3-704-256-01	LABEL, CAUTION (US, Canadian)	
△F001	1-576-225-21	FUSE, GLASS TUBE (250V/1A) (AEP, UK)	
△F001	1-532-740-11	FUSE, GLASS TUBE (125V/1A) (US, Canadian)	

5-1-3. KEYBOARD COMPLETE ASSEMBLY



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	X-3943-910-1	CASE ASSY, KEY BOARD UPPER		106	4-864-324-11	SPACER	
102	3-703-710-41	STICKER, SONY SYMBOL (12)		107	3-953-461-01	FOOT	
103	1-467-712-11	KEY BOARD UNIT		* 108	3-954-645-01	SHEET (A)	
* 104	A-7072-024-A	KM-13 BOARD, COMPLETE		109	1-751-796-11	CORD, CONNECTION	
105	3-956-837-01	CASE, KEY BOARD LOWER					

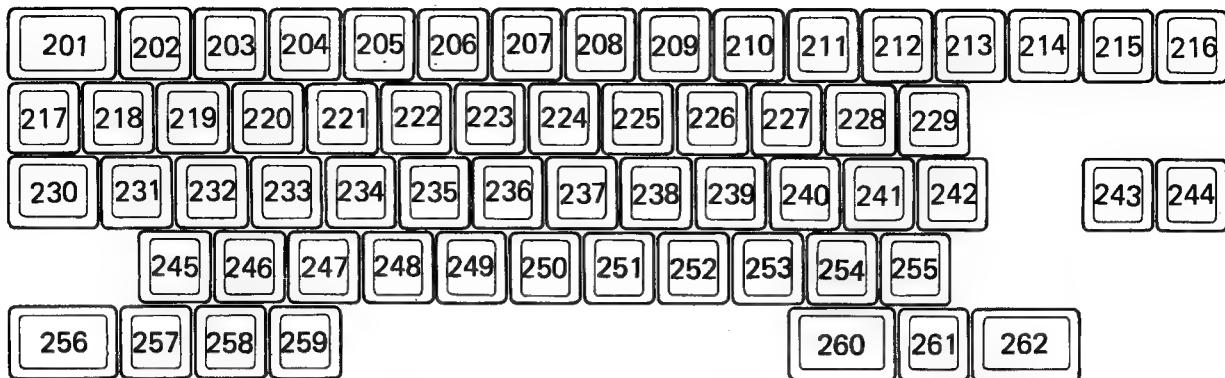
5-1-4. KEYBOARD UNIT (1)



Ref. No.	Part No.	Description	Remark
151	9-907-778-01	KEY TOP QG175A (SHIFT) (BLACK)	
152	9-907-761-01	KEY TOP QY200A (MARK TITLE) (BLACK)	
153	9-907-760-01	KEY TOP QY200A (MANUAL IN) (BLACK)	
154	9-907-759-01	KEY TOP QY200A (MANUAL OUT) (BLACK)	
155	9-907-755-01	KEY TOP QG200A (YES) (BLACK)	
156	9-907-781-01	KEY TOP QGG150A (↔) (BLACK)	
157	9-907-717-01	KEY TOP QG200A (↑) (BLACK)	
158	9-907-766-01	KEY TOP QG200A (↓) (BLACK)	

Ref. No.	Part No.	Description	Remark
159	9-907-749-01	SHAFT, CRANK	
160	9-907-750-01	RUBBER, CLICK ST-2	
161	9-907-751-01	CHIP, GUIDE	
162	9-907-752-01	RUBBER, CONTACT	
163	9-907-748-01	SHAFT, CRANK	
* 164	9-907-754-01	FRAME HJX-9	
165	9-907-753-01	MEMBRANE PRO	
166	9-907-747-01	SCREW (M2X4)	

5-1-5. KEYBOARD UNIT (2)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	9-907-746-01	KEY TOP Q100A (MENU) (BLACK)		232	9-907-714-01	KEY TOP Q100A (S) (GRAY)	
202	9-907-745-01	KEY TOP Q100A (1) (GRAY)		233	9-907-713-01	KEY TOP Q100A (D) (GRAY)	
203	9-907-744-01	KEY TOP Q100A (2) (GRAY)		234	9-907-712-01	KEY TOP QH100A (F) (GRAY)	
204	9-907-743-01	KEY TOP Q100A (3) (GRAY)		235	9-907-789-01	KEY TOP Q100A (G) (GRAY)	
205	9-907-742-01	KEY TOP Q100A (4) (GRAY)		236	9-907-788-01	KEY TOP Q100A (H) (GRAY)	
206	9-907-741-01	KEY TOP Q100A (5) (GRAY)		237	9-907-787-01	KEY TOP QH100A (J) (GRAY)	
207	9-907-740-01	KEY TOP Q100A (6) (GRAY)		238	9-907-786-01	KEY TOP Q100A (K) (GRAY)	
208	9-907-739-01	KEY TOP Q100A (7) (GRAY)		239	9-907-785-01	KEY TOP Q100A (L) (GRAY)	
209	9-907-738-01	KEY TOP Q100A (8) (GRAY)		240	9-907-784-01	KEY TOP Q100A () (GRAY)	
210	9-907-737-01	KEY TOP Q100A (9) (GRAY)		241	9-907-783-01	KEY TOP Q100A (?) (GRAY)	
211	9-907-736-01	KEY TOP Q100A (0) (GRAY)		242	9-907-782-01	KEY TOP Q100A (,) (GRAY)	
212	9-907-735-01	KEY TOP Q100A (-) (GRAY)		243	9-907-780-01	KEY TOP Q100A (←) (BLACK)	
213	9-907-734-01	KEY TOP Q100A (&) (GRAY)		244	9-907-779-01	KEY TOP Q100A (→) (BLACK)	
214	9-907-733-01	KEY TOP Q100A (BS) (BLACK)		245	9-907-777-01	KEY TOP Q100A (Z) (GRAY)	
215	9-907-732-01	KEY TOP Q100A (DEL) (BLACK)		246	9-907-776-01	KEY TOP Q100A (X) (GRAY)	
216	9-907-731-01	KEY TOP Q100A (INS) (BLACK)		247	9-907-775-01	KEY TOP Q100A (C) (GRAY)	
217	9-907-730-01	KEY TOP Q100A (TITLE LIST) (BLACK)		248	9-907-774-01	KEY TOP Q100A (V) (GRAY)	
218	9-907-729-01	KEY TOP Q100A (Q) (GRAY)		249	9-907-773-01	KEY TOP Q100A (B) (GRAY)	
219	9-907-728-01	KEY TOP Q100A (W) (GRAY)		250	9-907-772-01	KEY TOP Q100A (N) (GRAY)	
220	9-907-727-01	KEY TOP Q100A (E) (GRAY)		251	9-907-771-01	KEY TOP Q100A (M) (GRAY)	
221	9-907-726-01	KEY TOP Q100A (R) (GRAY)		252	9-907-770-01	KEY TOP Q100A (ϕ) (GRAY)	
222	9-907-725-01	KEY TOP Q100A (T) (GRAY)		253	9-907-769-01	KEY TOP Q100A (β) (GRAY)	
223	9-907-724-01	KEY TOP Q100A (Y) (GRAY)		254	9-907-768-01	KEY TOP Q100A (!) (GRAY)	
224	9-907-723-01	KEY TOP Q100A (U) (GRAY)		255	9-907-767-01	KEY TOP Q100A () (GRAY)	
225	9-907-722-01	KEY TOP Q100A (I) (GRAY)		256	9-907-765-01	KEY TOP Q150A (CAPS) (BLACK)	
226	9-907-721-01	KEY TOP Q100A (O) (GRAY)		257	9-907-764-01	KEY TOP Q100A (font) (BLACK)	
227	9-907-720-01	KEY TOP Q100A (P) (GRAY)		258	9-907-763-01	KEY TOP Q100A (size) (BLACK)	
228	9-907-719-01	KEY TOP Q100A (Æ) (GRAY)		259	9-907-762-01	KEY TOP Q100A (colour) (BLACK)	
229	9-907-718-01	KEY TOP (Œ) (GRAY)		260	9-907-758-01	KEY TOP Q150A (SUPER-TITLE) (BLACK)	
230	9-907-716-01	KEY TOP Q125A (CTRL) (BLACK)		261	9-907-757-01	KEY TOP Q100A (COPY) (BLACK)	
231	9-907-715-01	KEY TOP Q100A (A) (GRAY)		262	9-907-756-01	KEY TOP Q150A (NO) (BLACK)	

AC-97P**AC-97U****AV-26P****AV-26U**

5-2. ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, μ : μ , for example:
 μA : μA . μPA : μPA .
 μPB : μPB . μPC : μPC . μPD : μPD .
- CAPACITORS
 μF : μF
When indicating parts by reference number, please include the board.
- COILS
 μH : μH

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
*	A-7072-018-A	AC-97P BOARD, COMPLETE (AEP, UK)				C021	1-164-232-11	CERAMIC CHIP	0.01uF		50V
		(Supplied with PW-106P Board)				C022	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
*	A-7072-046-A	AC-97U BOARD, COMPLETE (US, Canadian)				C022	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
		(Supplied with PW-106U Board)				C023	1-163-038-00	CERAMIC CHIP	0.1uF		25V
		*****				C024	1-163-038-00	CERAMIC CHIP	0.1uF		25V
		(Ref. No 5,000 series)				C025	1-126-204-11	ELECT CHIP	47uF	20%	16V
		< CONNECTOR >				C026	1-163-038-00	CERAMIC CHIP	0.1uF		25V
Δ CN900	1-251-134-11	INLET, AC (NONPOLAR) (AEP, UK)				C060	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
Δ CN900	1-251-135-11	INLET, AC. (US, Canadian)				C061	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
		*****				C062	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
*	A-7066-028-A	AV-26P BOARD, COMPLETE (AEP, UK)				C063	1-164-232-11	CERAMIC CHIP	0.01uF		50V
*	A-7066-129-A	AV-26U BOARD, COMPLETE (US, Canadian)				C064	1-163-087-00	CERAMIC CHIP	4PF		50V
		*****				C069	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
		(Ref. No 1,000 series)				C070	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
		< BATTERY HOLDER >				C071	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
BAT800	1-550-104-21	HOLDER, BATTERY				C072	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
		< CAPACITOR >				C073	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C013	1-163-239-11	CERAMIC CHIP (AEP, UK)	33PF	5%	50V	C074	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C013	1-163-243-11	CERAMIC CHIP (US, Canadian)	47PF	5%	50V	C075	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C014	1-164-232-11	CERAMIC CHIP	0.01uF			C076	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C015	1-163-239-11	CERAMIC CHIP (AEP, UK)	33PF	5%	50V	C077	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C015	1-163-243-11	CERAMIC CHIP (US, Canadian)	47PF	5%	50V	C078	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C016	1-163-038-00	CERAMIC CHIP	0.1uF			C079	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C017	1-163-038-00	CERAMIC CHIP	0.1uF			C092	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C018	1-126-204-11	ELECT CHIP	47uF	20%	16V	C101	1-124-779-00	ELECT CHIP	10uF	20%	16V
C019	1-163-038-00	CERAMIC CHIP	0.1uF			C102	1-124-779-00	ELECT CHIP	10uF	20%	16V
C020	1-163-239-11	CERAMIC CHIP (AEP, UK)	33PF	5%	50V	C103	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C020	1-163-243-11	CERAMIC CHIP (US, Canadian)	47PF	5%	50V	C104	1-124-779-00	ELECT CHIP	10uF	20%	16V
						C105	1-124-779-00	ELECT CHIP	10uF	20%	16V
						C106	1-124-779-00	ELECT CHIP	10uF	20%	16V

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C107	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C202	1-126-193-11	ELECT	1uF	20%	50V
C108	1-124-779-00	ELECT CHIP	10uF	20%	16V	C203	1-124-779-00	ELECT CHIP	10uF	20%	16V
C109	1-124-779-00	ELECT CHIP	10uF	20%	16V	C204	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C110	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C205	1-124-779-00	ELECT CHIP	10uF	20%	16V
C111	1-124-779-00	ELECT CHIP	10uF	20%	16V	C211	1-124-779-00	ELECT CHIP	10uF	20%	16V
C112	1-124-779-00	ELECT CHIP	10uF	20%	16V	C212	1-124-779-00	ELECT CHIP	10uF	20%	16V
C113	1-124-779-00	ELECT CHIP	10uF	20%	16V	C213	1-124-779-00	ELECT CHIP	10uF	20%	16V
C114	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C214	1-124-779-00	ELECT CHIP	10uF	20%	16V
C115	1-124-779-00	ELECT CHIP	10uF	20%	16V	C215	1-124-779-00	ELECT CHIP	10uF	20%	16V
C116	1-124-779-00	ELECT CHIP	10uF	20%	16V	C216	1-124-779-00	ELECT CHIP	10uF	20%	16V
C117	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C217	1-124-779-00	ELECT CHIP	10uF	20%	16V
C118	1-124-779-00	ELECT CHIP	10uF	20%	16V	C218	1-124-779-00	ELECT CHIP	10uF	20%	16V
C119	1-124-779-00	ELECT CHIP	10uF	20%	16V	C219	1-124-779-00	ELECT CHIP	10uF	20%	16V
C120	1-124-779-00	ELECT CHIP	10uF	20%	16V	C220	1-124-779-00	ELECT CHIP	10uF	20%	16V
C121	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C221	1-124-779-00	ELECT CHIP	10uF	20%	16V
C122	1-124-779-00	ELECT CHIP	10uF	20%	16V	C231	1-124-779-00	ELECT CHIP	10uF	20%	16V
C123	1-124-779-00	ELECT CHIP	10uF	20%	16V	C232	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C124	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C241	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C125	1-124-779-00	ELECT CHIP	10uF	20%	16V	C242	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C126	1-124-779-00	ELECT CHIP	10uF	20%	16V	C243	1-124-779-00	ELECT CHIP	10uF	20%	16V
C127	1-124-779-00	ELECT CHIP	10uF	20%	16V	C244	1-124-779-00	ELECT CHIP	10uF	20%	16V
C128	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C251	1-124-779-00	ELECT CHIP	10uF	20%	16V
C141	1-124-779-00	ELECT CHIP	10uF	20%	16V	C252	1-124-779-00	ELECT CHIP	10uF	20%	16V
C151	1-124-779-00	ELECT CHIP	10uF	20%	16V	C261	1-124-779-00	ELECT CHIP	10uF	20%	16V
C152	1-124-779-00	ELECT CHIP	10uF	20%	16V	C262	1-124-779-00	ELECT CHIP	10uF	20%	16V
C153	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C263	1-126-193-11	ELECT	1uF	20%	50V
C154	1-124-779-00	ELECT CHIP	10uF	20%	16V	C264	1-126-193-11	ELECT	1uF	20%	50V
C155	1-124-779-00	ELECT CHIP	10uF	20%	16V	C265	1-126-193-11	ELECT	1uF	20%	50V
C156	1-124-779-00	ELECT CHIP	10uF	20%	16V	C266	1-126-193-11	ELECT	1uF	20%	50V
C157	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C267	1-124-779-00	ELECT CHIP	10uF	20%	16V
C161	1-124-779-00	ELECT CHIP	10uF	20%	16V	C271	1-124-779-00	ELECT CHIP	10uF	20%	16V
C162	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	C272	1-124-779-00	ELECT CHIP	10uF	20%	16V
C163	1-124-779-00	ELECT CHIP	10uF	20%	16V	C282	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C164	1-124-779-00	ELECT CHIP	10uF	20%	16V	C291	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C165	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	C292	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C171	1-124-779-00	ELECT CHIP	10uF	20%	16V	C293	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C172	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	C294	1-124-779-00	ELECT CHIP	10uF	20%	16V
C173	1-124-779-00	ELECT CHIP	10uF	20%	16V	C295	1-124-779-00	ELECT CHIP	10uF	20%	16V
C174	1-124-779-00	ELECT CHIP	10uF	20%	16V	C296	1-124-779-00	ELECT CHIP	10uF	20%	16V
C175	1-124-779-00	ELECT CHIP	10uF	20%	16V	C297	1-124-779-00	ELECT CHIP	10uF	20%	16V
C176	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	C300	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C177	1-124-779-00	ELECT CHIP	10uF	20%	16V	C301	1-124-779-00	ELECT CHIP	10uF	20%	16V
C178	1-124-779-00	ELECT CHIP	10uF	20%	16V	C302	1-124-779-00	ELECT CHIP	10uF	20%	16V
C179	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	C303	1-124-779-00	ELECT CHIP	10uF	20%	16V
C180	1-124-779-00	ELECT CHIP	10uF	20%	16V	C304	1-124-779-00	ELECT CHIP	10uF	20%	16V
C181	1-124-779-00	ELECT CHIP	10uF	20%	16V	C305	1-124-779-00	ELECT CHIP	10uF	20%	16V
C182	1-124-779-00	ELECT CHIP	10uF	20%	16V	C306	1-124-779-00	ELECT CHIP	10uF	20%	16V
C183	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	C307	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C184	1-124-779-00	ELECT CHIP	10uF	20%	16V	C308	1-164-232-11	CERAMIC CHIP	0.01uF		50V

AV-26P**AV-26U**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark			
C309	1-164-232-11	CERAMIC CHIP	0.01uF	50V	C403	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C310	1-124-779-00	ELECT CHIP	10uF	20% 16V	C403	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C311	1-124-779-00	ELECT CHIP	10uF	20% 16V	C404	1-163-038-00	CERAMIC CHIP	0.1uF	25V	
C312	1-124-779-00	ELECT CHIP	10uF	20% 16V	C405	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C313	1-124-779-00	ELECT CHIP	10uF	20% 16V			(AEP, UK)			
C314	1-124-779-00	ELECT CHIP	10uF	20% 16V	C405	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C315	1-124-779-00	ELECT CHIP	10uF	20% 16V			(US, Canadian)			
C316	1-164-232-11	CERAMIC CHIP	0.01uF	50V	C406	1-164-232-11	CERAMIC CHIP	0.01uF	50V	
C317	1-164-232-11	CERAMIC CHIP	0.01uF	50V	C407	1-164-005-11	CERAMIC CHIP	0.47uF	25V	
C318	1-164-232-11	CERAMIC CHIP	0.01uF	50V	C408	1-164-005-11	CERAMIC CHIP	0.47uF	25V	
C319	1-163-038-00	CERAMIC CHIP	0.1uF	25V	C409	1-164-005-11	CERAMIC CHIP	0.47uF	25V	
C320	1-163-038-00	CERAMIC CHIP	0.1uF	25V	C410	1-126-193-11	ELECT	1uF	20%	50V
C321	1-163-038-00	CERAMIC CHIP	0.1uF	25V	C411	1-163-038-00	CERAMIC CHIP	0.1uF	25V	
C322	1-163-038-00	CERAMIC CHIP	0.1uF	25V	C412	1-163-038-00	CERAMIC CHIP	0.1uF	25V	
C323	1-163-038-00	CERAMIC CHIP	0.1uF	25V	C413	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C324	1-163-038-00	CERAMIC CHIP	0.1uF	25V	C414	1-163-038-00	CERAMIC CHIP	0.1uF	25V	
C325	1-164-232-11	CERAMIC CHIP	0.01uF	50V	C415	1-164-232-11	CERAMIC CHIP	0.01uF	50V	
C326	1-164-232-11	CERAMIC CHIP	0.01uF	50V	C416	1-163-249-11	CERAMIC CHIP	82PF	5%	50V
C327	1-164-005-11	CERAMIC CHIP	0.47uF	25V	C416	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C328	1-164-005-11	CERAMIC CHIP	0.47uF	25V	C417	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C329	1-164-005-11	CERAMIC CHIP	0.47uF	25V	C417	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C330	1-164-005-11	CERAMIC CHIP	0.47uF	25V			(US, Canadian)			
C331	1-124-779-00	ELECT CHIP	10uF	20% 16V	C418	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C333	1-163-038-00	CERAMIC CHIP	0.1uF	25V	C419	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C334	1-164-232-11	CERAMIC CHIP	0.01uF	50V	C441	1-164-005-11	CERAMIC CHIP	0.47uF	25V	
C345	1-124-360-00	ELECT	1000uF	20% 16V	C442	1-164-005-11	CERAMIC CHIP	0.47uF	25V	
C351	1-164-232-11	CERAMIC CHIP	0.01uF	50V	C443	1-164-232-11	CERAMIC CHIP	0.01uF	50V	
C353	1-163-038-00	CERAMIC CHIP	0.1uF	25V	C444	1-164-232-11	CERAMIC CHIP	0.01uF	50V	
C354	1-164-232-11	CERAMIC CHIP	0.01uF	50V	C445	1-163-038-00	CERAMIC CHIP	0.1uF	25V	
C361	1-124-779-00	ELECT CHIP	10uF	20% 16V	C446	1-124-779-00	ELECT CHIP	10uF	20% 16V	
C363	1-163-038-00	CERAMIC CHIP	0.1uF	25V	C447	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C364	1-164-232-11	CERAMIC CHIP	0.01uF	50V	C448	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C365	1-124-360-00	ELECT	1000uF	20% 16V	C449	1-163-038-00	CERAMIC CHIP	0.1uF	25V	
C371	1-124-779-00	ELECT CHIP	10uF	20% 16V	C450	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C373	1-163-038-00	CERAMIC CHIP	0.1uF	25V	C451	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C374	1-164-232-11	CERAMIC CHIP	0.01uF	50V	C453	1-126-206-11	ELECT CHIP	100uF	20% 6.3V	
C375	1-124-360-00	ELECT	1000uF	20% 16V	C454	1-163-038-00	CERAMIC CHIP	0.1uF	25V	
C381	1-164-232-11	CERAMIC CHIP	0.01uF	50V	C455	1-126-206-11	ELECT CHIP	100uF	20% 6.3V	
C383	1-163-038-00	CERAMIC CHIP	0.1uF	25V	C456	1-124-779-00	ELECT CHIP	10uF	20% 16V	
C384	1-164-232-11	CERAMIC CHIP	0.01uF	50V	C457	1-126-206-11	ELECT CHIP	100uF	20% 6.3V	
C401	1-163-239-11	CERAMIC CHIP	33PF	5% 50V	C458	1-163-038-00	CERAMIC CHIP	0.1uF	25V	
		(AEP, UK)		C459	1-163-141-00	CERAMIC CHIP	0.001uF	5% 50V		
C401	1-163-243-11	CERAMIC CHIP	47PF	5% 50V	C460	1-163-141-00	CERAMIC CHIP	0.001uF	5% 50V	
C402	1-164-232-11	CERAMIC CHIP	0.01uF	50V	C461	1-163-038-00	CERAMIC CHIP	0.1uF	25V	
				C462	1-163-141-00	CERAMIC CHIP	0.001uF	5% 50V		

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C463	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C523	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C464	1-163-141-00	CERAMIC CHIP	0.001uF 5% 50V	C531	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C465	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C532	1-164-505-11	CERAMIC CHIP	2.2uF 16V
C466	1-126-206-11	ELECT CHIP	100uF 20% 6.3V	C533	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C467	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C534	1-164-505-11	CERAMIC CHIP	2.2uF 16V
C468	1-126-204-11	ELECT CHIP	47uF 20% 16V	C535	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C469	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C536	1-164-505-11	CERAMIC CHIP	2.2uF 16V
C470	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C537	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C471	1-164-232-11	CERAMIC CHIP	0.01uF 50V	C538	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C472	1-164-005-11	CERAMIC CHIP	0.47uF 25V	C539	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C473	1-126-193-11	ELECT	1uF 20% 50V	C540	1-164-505-11	CERAMIC CHIP	2.2uF 16V
C474	1-126-194-21	ELECT	1.5uF 20% 50V	C541	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C475	1-163-989-11	CERAMIC CHIP	0.033uF 10% 25V	C551	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C476	1-164-699-11	CERAMIC CHIP (AEP, UK)	0.0033uF 5% 50V	C552	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C476	1-163-989-11	CERAMIC CHIP (US, Canadian)	0.033uF 10% 25V	C553	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C477	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C554	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C478	1-126-206-11	ELECT CHIP	100uF 20% 6.3V	C555	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C479	1-163-141-00	CERAMIC CHIP	0.001uF 5% 50V	C556	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C480	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C557	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C481	1-126-194-21	ELECT	1.5uF 20% 50V	C561	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C482	1-124-779-00	ELECT CHIP	10uF 20% 16V	C562	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C483	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C563	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C484	1-163-037-11	CERAMIC CHIP	0.022uF 10% 25V	C564	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C485	1-124-779-00	ELECT CHIP (AEP, UK)	10uF 20% 16V	C581	1-126-206-11	ELECT CHIP	100uF 20% 6.3V
C485	1-126-193-11	ELECT (US, Canadian)	1uF 20% 50V	C582	1-126-206-11	ELECT CHIP	100uF 20% 6.3V
C486	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C583	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C487	1-163-092-00	CERAMIC CHIP	9PF 0.25PF 50V	C584	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C488	1-163-227-11	CERAMIC CHIP	10PF 0.5PF 50V	C601	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C489	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C602	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C490	1-164-232-11	CERAMIC CHIP (US, Canadian)	0.01uF 50V	C603	1-164-005-11	CERAMIC CHIP	0.47uF 25V
C491	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C604	1-164-005-11	CERAMIC CHIP	0.47uF 25V
C492	1-126-204-11	ELECT CHIP	47uF 20% 16V	C605	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C493	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C606	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C494	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C607	1-126-204-11	ELECT CHIP	47uF 20% 16V
C498	1-164-232-11	CERAMIC CHIP (AEP, UK)	0.01uF 50V	C608	1-126-206-11	ELECT CHIP	100uF 20% 6.3V
C499	1-163-237-11	CERAMIC CHIP	27PF 5% 50V	C609	1-163-125-00	CERAMIC CHIP	220PF 5% 50V
C501	1-164-505-11	CERAMIC CHIP	2.2uF 16V	C610	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C502	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C611	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C503	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C612	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C504	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C613	1-164-005-11	CERAMIC CHIP	0.47uF 25V
C505	1-164-232-11	CERAMIC CHIP	0.01uF 50V	C614	1-164-005-11	CERAMIC CHIP	0.47uF 25V
C511	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C615	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C521	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C616	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C522	1-163-038-00	CERAMIC CHIP	0.1uF 25V	C617	1-126-204-11	ELECT CHIP	47uF 20% 16V
				C618	1-126-206-11	ELECT CHIP	100uF 20% 6.3V
				C619	1-163-125-00	CERAMIC CHIP	220PF 5% 50V
				C620	1-163-038-00	CERAMIC CHIP	0.1uF 25V
				C621	1-124-779-00	ELECT CHIP	10uF 20% 16V

6-2. FRONT MICROCOMPUTER HD643383F (AV-26P/26U BOARD IC801) PORT FUNCTION DESCRIPTION

Pin No.	Signal	I/O	Function
1~3	PC0/AN8~ PC2/AN10	I N. C.	
4	PC3/AN11	I LOW Batt. Detect. IC input.	
5	A _{VSS}	I Connected to GND.	
6	TEST	I Connected to GND.	
7	X2	O NC. (Not used on sub clock)	
8	X1	I Connected to Vcc.	
9	V _{SS}	I GND.	
10	OSC1	I SYSTEM CLOCK (8MHz)	
11	OSC2	O SYSTEM CLOCK (8MHz)	
12	R _{ES}	I Reset IC input.	
13	MDO	I Connected to Vcc.	
14	P20/IRQ4/ ADTRG	O EDIT I/F CLOCK input.	
15	P21/TID	O POWER ON.	
-16	P22	O N. C.	
17	P23	O EDIT RESET.	
18	P24	O N. C.	
19	P25	O GPI.	
20	P26	O CONTROLLER MICROCOMPUTER CS.	
21	P27	I Power SW~	
22	P30/SCK1	O CONTROLLER SCK.	
23	P31/SI1	I CONTROLLER SI.	
24	P32/SO1	O CONTROLLER SO.	
25	P33/SCK2	I/O EDIT/OSD/EVR SCK.	
26	P34/SI2	I EDIT/OSD/EVR SI.	
27	P35/SO2	O EDIT/OSD/EVR SO.	
28	P36/STRB	O IR CS~.	
29	P37/CS	O FD CS~.	
30	V _{SS}	I GND.	
31~33	V3~V1	I N. C.	
34	V _{CC}	I +5V POWER.	
35	PA3//COM4	O DA CS~.	
36	PA2//COM3	O SCL CS~.	
37	PA1//COM2	O OSD CS~.	
38	PA0//COM1	O EDIT CS~.	
39	P50/WKP0/ SEG1	O MENU.	
40	P51/WKP1/ SEG2	O INT/TEXT.	
41	P52/WKP2/ SEG3	O EE/RECOUNT.	
42	P53/WKP3/ SEG4	O CINEMA ON.	
43	P54/WKP4/ SEG5	O MONOTONE ON.	
44	P55/WKP5/ SEG6	O FADER W/B.	

Pin No.	Signal	I/O	Function
45	P56/WKP6/ SEG7	O	MASK H SCROLL.
46	P57/WKP7/ SEG8	O	MASK V SCROLL.
47~52	SEG14	P60/SEG9~P65/	FADER LEVEL bit0~bit5.
53, 54	SEG15, P67/	P66/SEG15, P67/	O N. C.
55~60	P70/SEG17~	P71/SEG17~	ROM/RAM ADDRESS0~ADDRESS5.
61, 62	SEG22	P76/SEG23, P77/	O N. C.
63	P80/SEG25	O	RAM CS~.
64	P81/SEG26	O	ROM CS~.
65, 66	SEG28	P82/SEG27, P83/	O N. C.
67	P84/SEG29	O	Middle Strobe.
68	P85/SEG30	O	High Strobe.
69	P86/SEG31	O	OE.
70	P87/SEG32	O	WE.
71~74	P93/SEG36~	I/O	ROM/RAM DATA 0~DATA 3.
75	P94/SEG37/M	I/O	ROM/RAM DATA 4.
76	P95/SEG38/DO	I/O	ROM/RAM DATA 5.
77	P96/SEG39/CL2	I/O	ROM/RAM DATA 6.
78	P97/SEG40/CL1	I/O	ROM/RAM DATA 7.
79	V _{CC}	I	+5V POWER.
80	P10/TMOW	O	TITLE FADER LEVEL bit 0.
81	P11/TMOLF	O	TITLE FADER LEVEL bit 1.
82	P12/TMORH	O	TITLE FADER LEVEL bit 2.
83	P13/TMIG	O	TITLE FADER LEVEL bit 3.
84	P14/PWM	O	TITLE FADER LEVEL bit 4.
85	P15/IRQ1/TMIB	I	TITLE FADER LEVEL bit 5.
86	P16/IRQ2/TMIC	I	OSD Vd IRQ3.
87	P17/IRQ3/TMIF	I	Vd IRQ3.
88	P40/SCK3	I/O	DTR EDIT I/F.
89	P41/RXD	I	RXD EDIT I/F.
90	P42/TXD	I/O	TXD EDIT I/F.
91	P43/IRQ0	I	DSR EDIT I/F.
92	A _{VCC}	I	Connected to Vcc.
93	PB0/A0	I	FD BUSY~.
94	PB1/A1	I	IR BUSY~.
95~100	PB2/AN2~ PB7/AN7	I	N. C.

6-3. EDIT MICROCOMPUTER HD643383F (AV-26P/26U BOARD IC802) PORT FUNCTION DESCRIPTION

Pin No.	Signal	I/O	Function
1~3	PC0/AN8~ PC2/AN10	I N. C.	
4	PC3/AN11	I N. C.	
5	A _{VSS}	I	Connected to GND.
6	TEST	I	Connected to GND.
7	X2	O N. C. (Not used on sub clock)	
8	X1	I	Connected to V _{cc} .
9	V _{ss}	I	GND.
10	OSC1	I	SYSTEM CLOCK (8MHz)
11	OSC2	O	SYSTEM CLOCK (8MHz)
12	RES	I	Reset IC input.
13	MDO	I	Connected to V _{cc} .
14	P20/TREQ/ ADTRG	O N. C.	
15	P21/UD	O	RESET OUT.
16	P22	O	EDIT I/F CLK.
17~21	P23~P27	O N. C.	
22	P30/SCK1	O N. C.	
23	P31/SI1	I	LANC R input.
24	P32/SOI	O	LANC R output.
25	P33/SCK2	I/O	At IR communication : Hi-Z/LANC C CLK.
26	P34/SI2	I	IR/LANC P output.
27	P35/SO2	O	IR/LANC P input.
28	P36/STRB	O N. C.	
29	P37/CS	O N. C.	
30	V _{ss}	I	GND.
31~33	V3~V1	I N. C.	
34	V _{cc}	I	+5V POWER.
35~38	PA0/COM1~ PA0/COM1	O N. C.	
39	P50/WKPF/ SEG1	O	LANC A \overline{CS} .
40	P51/WKPF/ SEG2	O	LANC B \overline{CS} .
41	P52/WKPF/ SEG3	O N. C.	
42	P53/WKPF/ SEG4	O	IR \overline{CS} .
43	P54/WKPF/ SEG5	O	LANC SEL A0.
44	P55/WKPF/ SEG6	O	LANC SEL A1.
47, 48	P60/SEG9, P61/ SEG10	O	SELECT OUT ISO, ISI.
49, 50	P62/SEG11, P63/ SEG12	O	SELECT OUT PS0.

Pin No.	Signal	I/O	Function
51	P64/SEG13	O	SELECT OUT PS.
52~54	P65/SEG14~ P67/SEG16	O N. C.	
55~57	P70/SEG17, P72/ SEG19	O	LED OUT IN1~IN3.
58	P73/SEG20	O	LED OUT REC.
59~62	P74/SEG21~ P77/SEG24	O N. C.	
63	P80/SEG25	O	S/V SEL OUT MAIN.
64, 65	P81/SEG26, P82/ SEG27	O	S/V SEL OUT PRO1, PRO2.
66	P83/SEG28	O	S/V SEL OUT REC MON.
67~70	P84/SEG29~ P87/SEG32	O N. C.	
71~73	P90/SEG33~ P92/SEG35	I	S/V DET IN IN1~IN3.
74	P93/SEG36	I	S/V DET IN PRO IN.
75	P94/SEG37/M	I	S/V DET IN REC IN.
76	P95/SEG38/DO	I N. C.	
77	P96/SEG39/CL2	I N. C.	
78	P97/SEG40/CL1	I N. C.	
79	V _{cc}	I	+5V POWER.
80	P10/TMOW	O N. C.	
81	P11/TM0FL	O N. C.	
82	P12/TM0FH	O N. C.	
83	P13/TMIG	O N. C.	
84	P14/PWM	O N. C.	
85	P15/IRQ1/ TMIB	I	LANC PB REQ.
86	P16/IRQ2/TMIC	I	LANC PA REQ.
87	P17/IRQ3/TMIF	O N. C.	
88	P40/SCK3	I/O	F/E communication CLK/Hi-Z (at Non communication).
89	P41/RXD	I	F/E communication input.
90	P42/TXD	I/O	F/E communication output/Hi-Z (at Non communication).
91	P43/IRQ6	I	F/E communication CS.
92	AVcc	I	Connected to V _{cc} .
93~95	P80/AN0~ PB2/AN2	I	MONITOR KEY IN1~IN3.
96	PB3/AN3	I	MONITOR KEY REC.
97	PB4/AN4	I	I/S.
98	PB5/AN5	I	PLG.
99, 100	PB6/AN6, PB7/ AN7	I N. C.	

6-4. LANC MICROCOMPUTER MB89131 (AV-26P/26U BOARD IC803, IC804), CONTROLLER MICROCOMPUTER MB89131 (CM-42 BOARD ICO14), KEYBOARD MICROCOMPUTER MB89131 (KM-13 BOARD IC805) PORT FUNCTION DESCRIPTION

Note) This microcomputer operates in three modes for voltage setting of pin 18 and 20.

① LANC microcomputer in operation : pin 18 to be driven "L", pin 20 to be driven "L".

② Controller microcomputer in operation : pin 18 to be driven "L", pin 20 to shuttle input.

③ Keyboard microcomputer in operation : pin 18 to be driven "L", pin 20 to be driven "H".

Pin No.	Signal	LANC Microcomputer in Operates			Controller Microcomputer in Operates			Keyboard Microcomputer in Operates		
		I/O	Function	I/O	Function	I/O	Function	I/O	Function	I/O
1	A V _c	-	ADC Power.	-	ADC Power.	-	ADC Power.	-	ADC Power.	-
2	RESET	I	Reset input.	I	Reset input.	I	Reset input.	I	Reset input.	I
3, 4	MODE0, MODE1	I	Mode input, Fixed to "L".	I	Mode input, Fixed to "L".	I	Mode input, Fixed to "L".	I	Mode input, Fixed to "L".	I
5	X0	I	4MHz clock input.	I	4.19MHz ceramic vibrator.	I	4.19MHz ceramic vibrator.	I	4.19MHz ceramic vibrator.	I
6	X1	O	Not used.	O	4.19MHz ceramic vibrator.	O	4.19MHz ceramic vibrator.	O	4.19MHz ceramic vibrator.	O
7	V _{cc}	-	+5V Power.	-	+5V Power.	-	+5V Power.	-	+5V Power.	-
8	X0A	I	Connected to GND.	I	32768Hz crystal oscillator.	I	32768Hz crystal oscillator.	I	Connected to GND.	I
9	X1A	O	Not used.	O	32768Hz crystal oscillator.	O	32768Hz crystal oscillator.	O	Not used.	O
10-17	P27-P20	O	Not used.	O	Key matrix select.	O	Key matrix select.	O	Key matrix select.	O
18	P17	I	Function select, Fixed to "L".	I	Function select, Fixed to "H".	I	Function select, Fixed to "H".	I	Function select, Fixed to "L".	I
19	V _{ss}	-	GND.	-	GND.	-	GND.	-	GND.	-
20	P16	I	P16 Function select, Fixed to "L".	I	Shuttle input.	I	Shuttle input.	I	P16 function select, Fixed to "H".	I
21-24	P15-P12	O	Not used.	I	Shuttle input.	O	LED latch.	O	P15-P12 key matrix select.	O
25	P11	O	Not used.	O	LED serial SCK.	O	LED serial SCK.	O	Key matrix select.	O
26	P10	O	Not used.	O	LED serial SO.	O	LED serial SO.	O	Key matrix select.	O
27	P07	O	Not used.	O	Not used.	O	Not used.	I	Key matrix read.	I
28	P06	O	Not used.	I	Key matrix read.	I	Key matrix read.	I	Key matrix read.	I
29, 30	P05, P04	O	Not used.	I	Key matrix read.	I	Key matrix read.	I	Key matrix read.	I
31, 32	P03, P02	O	Not used.	I	Key matrix read.	I	Key matrix read.	I	Key matrix read.	I
33	P01	O	REQ.	I	Key matrix read.	I	Key matrix read.	I	Key matrix read.	I
34	P00	O	LANC communication output.	I	Key matrix read.	I	Key matrix read.	I	Key matrix read.	I
35	P37/BZ	O	Not used.	O	Buzzer.	I	"L" for data through.	O	"L" for data through.	O
36	P36/INT2	I	LANC communication input.	I	Not used.	I	Not used.	O	Not used.	O
37	P35/INT1	I	CS.	I	CS.	I	CS.	I	CS.	I
38	P34/INT0	I	Not used.	I	JOG B.	O	Not used.	O	Not used.	O
39	P33/EC/SC0	I	Not used.	I	JOG A.	O	Not used.	O	Not used.	O
40	P32/SI	I	SI.	I	SI.	I	SI.	I	SI.	I
41	P31/SO	O	SO.	O	SO.	O	SO.	O	SO.	O
42	P30/SCK	I	SCK.	I	SCK.	I	SCK.	I	SCK.	I
43	A V _{ss}	-	GND.	-	GND.	-	GND.	-	GND.	-
44	AVR	-	GND.	-	ADC Power.	-	ADC Power.	-	ADC Power.	-
45	AN3/P43	O	Not used.	I	Video fader	O	Not used.	I	Video fader	O
46	AN2/P42	O	Not used.	I	Audio fader	O	Not used.	I	Audio fader	O
47	AN1/P41	O	Not used.	I	Audio mixing	O	Not used.	I	Audio mixing	O
48	AN0/P40	O	Not used.	I	Mic volume	O	Not used.	I	Mic volume	O

1-1-4. Input/Output Levels and Impedance

Input jacks

Video	5 lines (PLAYER INPUT 1/2/3/RECORDER IN/PROCESSOR IN) S-VIDEO IN : 4-pin mini DIN (5) Luminance 1 Vp-p, 75 ohms, unbalanced, sync negative Chrominance 286mVp-p, 75 ohms, unbalanced VIDEO IN : phono jack (5) 1 Vp-p, 75 ohms, unbalanced, sync negative
Audio	6 lines (PLAYER INPUT 1/2/3/AUX AUDIO INPUT RECORDER IN/PROCESSOR IN) Phono jack -7.5 dBs, impedance 47k ohms or more
Microphone	Minijack (front 1) -60 dBs, 3k ohms or more

Output jacks

Video	4 lines (RECORDER OUT/MONITOR OUT/PROCESSOR OUT1/2) S-VIDEO OUT : 4-pin mini DIN (4) Luminance 1 Vp-p, 75 ohms, unbalanced, sync negative VIDEO OUT : Phono jack (4) 1 Vp-p, 75 ohms, unbalanced, sync negative
Audio	4 lines (RECORDER OUT/MONITOR OUT/PROCESSOR OUT1/2) Phono jack, -7.5 dBs, impedance 470 ohms or less
LANC	Stereo mini-minijack (rear 3, front 1)
CTRL S	Minijack (1)
GPI	Minijack (1)
EDIT I/F	8-pin mini DIN (1)
IR REPEATER	Stereo mini-minijack (1)
Headphones	Stereo mini-minijack (1) 12 mW (47 ohms), appropriate impedance 8 ohms or more

1-2. POWER SUPPLY CHECK

1-2-1. Output Voltage Check (PW-106P/106U Board)

Mode	E-E
Measurement instrument	Digital voltmeter
+13V check	
Measurement point	CN105 pin ① or ②
Specified value	$13.0 \pm 0.5\text{V}$
+6V check	
Measurement point	CN105 pin ⑥ or ⑦
Specified value	$6.0 \pm 0.5\text{V}$

[Check Method]

- 1) Each of these supply voltages must meet its specified value.

1-3. VIDEO SYSTEM ADJUSTMENTS

Color video signal supplied from a pattern generator is used as a video input signal for Video System Alignment. This signal should be checked to ensure that it meets the specifications provided in Fig. 7-1-2 and "INPUT SIGNAL CHECK". The adjustments in Video System Alignment should be performed in the following sequence.

[Adjustment sequence]

1. Y Level Adjustment
2. Chroma Level Adjustment
3. White Fade Level Adjustment

1-3-1. Y Level Adjustment (AV-26P/26U Board)

[Adjustment Object]

Set the Y level of video signal. If deviated, the picture image becomes brighter or darker. Extreme deviation causes distorted image.

Mode	E-E
Signal	Color bar
Measurement point	Recorder output video terminal
Measuring instrument	Oscilloscope
Adjustment element	RV451
Specified value	$1.00 \pm 0.05 \text{Vp-p}$

[Adjustment Method]

- 1) Input color bar signal to PLAYER INPUT 1.
- 2) Select PLAYER 1.
- 3) Adjust RV451 so that the level difference between sync chip and white peak is $1.00 \pm 0.05 \text{Vp-p}$.



Fig. 7-1-3. (A) (NTSC: US, Canadian Model)

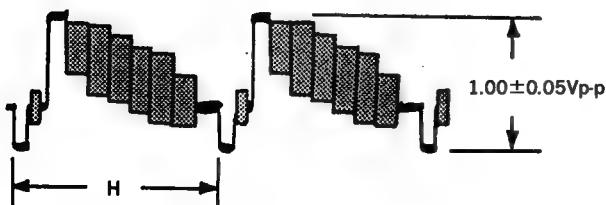


Fig. 7-1-3. (B) (PAL: AEP, UK Model)

1-3-2. Chroma Level Adjustment (AV-26U board)

(NTSC : US, Canadian Model only)

[Adjustment Object]

Set the chroma level of video signal. If deviated, the picture color becomes darker or thinner.

Mode	E-E
Signal	Color bar
Measurement point	Recorder output video terminal
Measuring instrument	Oscilloscope
Adjustment element	RV471
Specified value	$286 \pm 10 \text{mVp-p}$

[Adjustment Method]

- 1) Input color bar signal to PLAYER INPUT 1.
- 2) Select PLAYER 1.
- 3) Adjust RV471 so that the burst level is $286 \pm 10 \text{mVp-p}$.

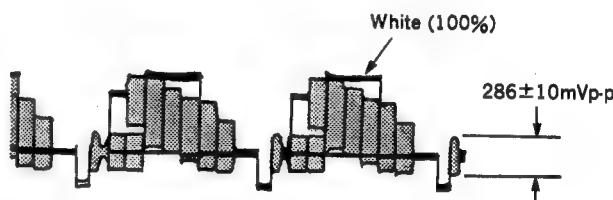


Fig. 7-1-4.

1-3-3. White Fade Level Adjustment (AV-26P/26U Board)

[Adjustment Object]

Set the brightness of the picture image in white fader mode. If deviated, the white fader is excessively bright or dark.

Mode	E-E
Signal	Color bar
Measurement point	Recorder output video terminal
Measuring instrument	Oscilloscope
Adjustment element	RV501
Specified value	$0.63 \pm 0.02\text{Vp-p}$

[Adjustment Method]

- 1) Input color bar signal to PLAYER INPUT 1.
- 2) Select PLAYER 1.
- 3) Select picture fader **WHITE**. Place the fader lever in the bottom.
- 4) Adjust RV501 so that the level difference between pedestal level and white level is $0.63 \pm 0.02\text{Vp-p}$.

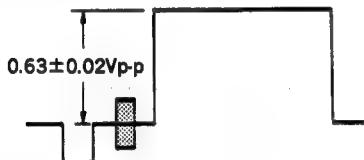


Fig. 7-1-5.

1-4. DISPLAY SYSTEM ADJUSTMENTS

Color video signal supplied from a pattern generator is used as a video input signal for Video System Alignment. This signal should be checked to ensure that it meets the specifications provided in Fig. 7-1-2 and "INPUT SIGNAL CHECK". The adjustments in Video System Alignment should be performed in the following sequence.

[Adjustment sequence]

- 1) OSD Hue Adjustment
- 2) Internal Sub-Carrier Frequency Check
- 3) OSD AFC Voltage Check

1-4-1. OSD Hue Adjustment (AV-26P/26U Board)

[Adjustment Object]

Set the hue when the menu is displayed on the screen. If deviated, the hue is not appropriate.

Mode	E-E
Signal	Color bar
Measurement point	Monitor output video terminal
Measuring instrument	Vector scope
Adjustment element	RV701
Specified value	Adjust so that the two bright points of cyan on the scope are aligned with each other.

[Adjustment Method]

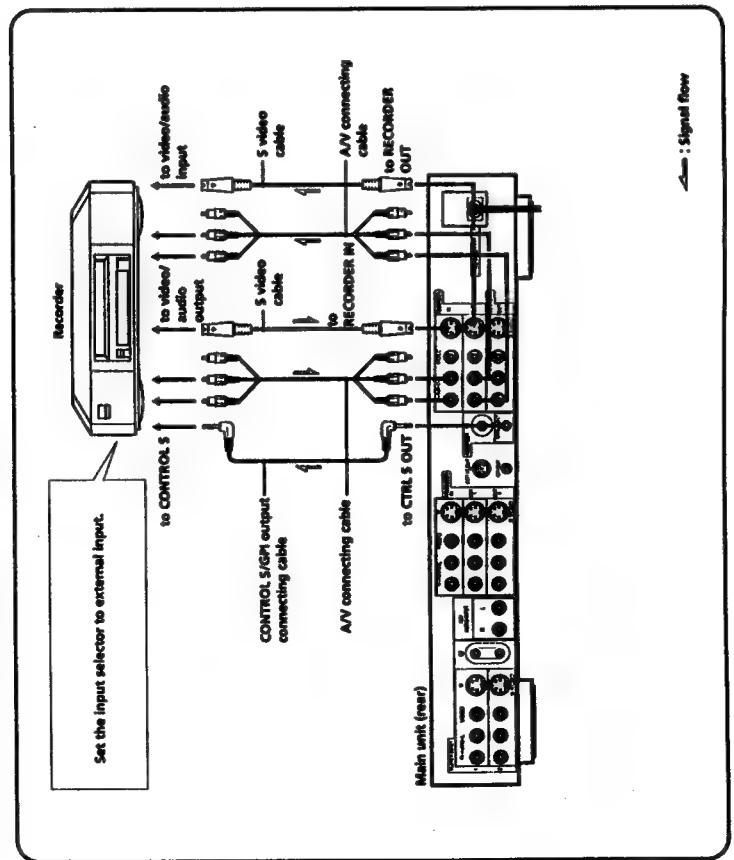
- 1) Input color bar signal to PLAYER INPUT 1.
- 2) Select PLAYER 1.
- 3) Press **MENU** key to display the menu on the screen.
- 4) Connect a vector scope to MONITOR OUT.
Use RV701 to adjust the angle between blue and cyan of the menu screen.

Connecting the Recorder

Connection 2

Connect as illustrated below when the recorder is a Sony and has the CONTROL S connector only. After connecting, set the recorder control system (p.16).

When the recorder has no S-video jack, connect to the VIDEO jack.



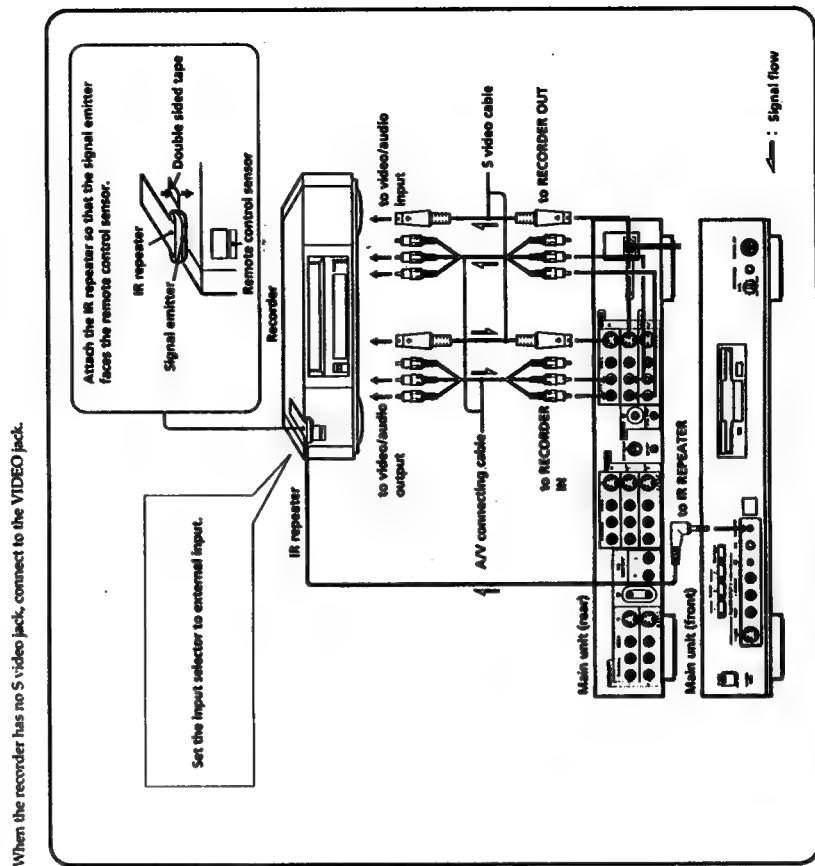
Connection 3

Connect as illustrated below when the recorder can be controlled with an infrared remote commander only.

The IR repeater connected to the main unit transmits the infrared signal to the recorder and players. Attach the IR repeater close to the remote sensor of the recorder.

After connecting, set the recorder control system (p.16).

When the recorder has no S-video jack, connect to the VIDEO jack.



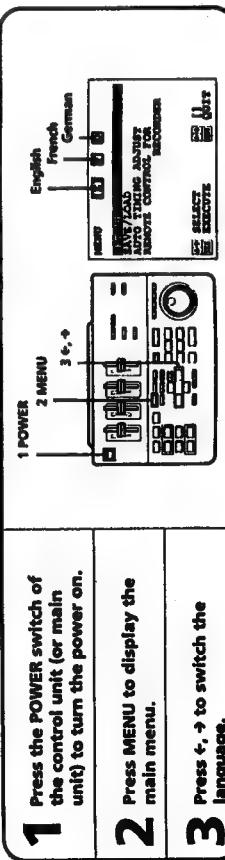
Setting the Recorder Control System

According to the connection of the recorder, set the recorder control system so that you can control the recorder using the control unit.



Switching the Menu Language

You can choose the English menu, the German menu or the French menu. The factory setting is English.

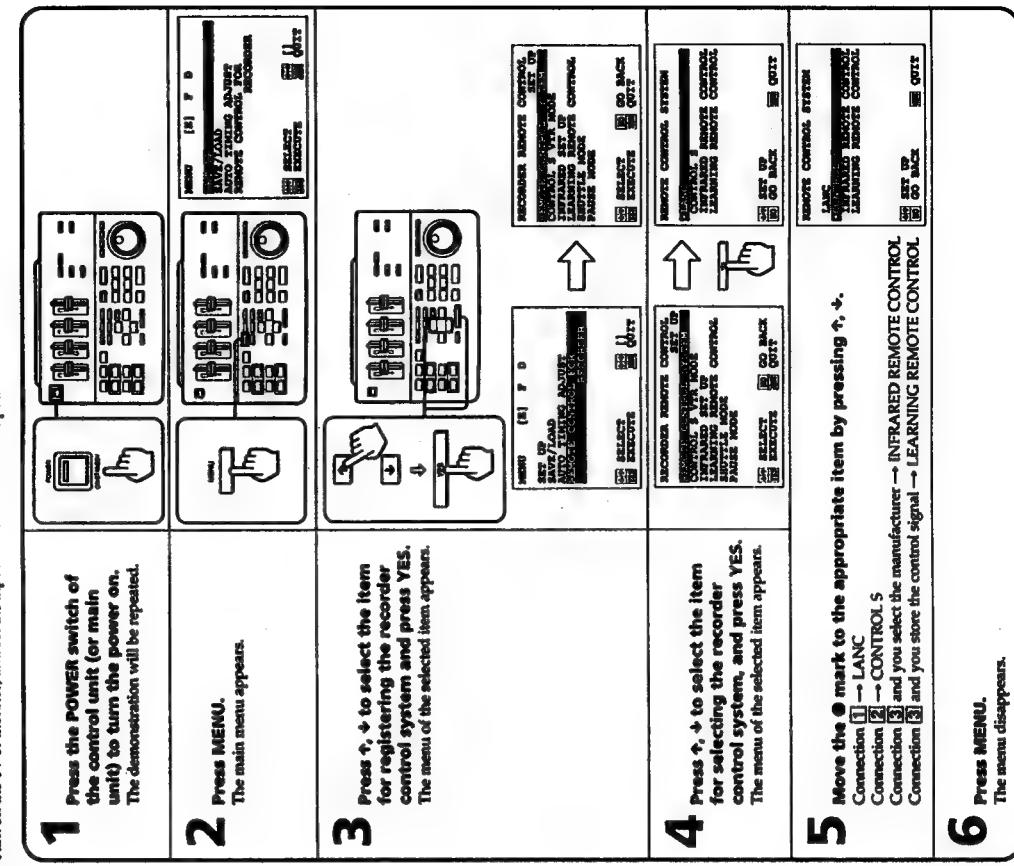


Selecting the Recorder Control System

Select the recorder control system according to the connection. The factory setting is LANC. This setting is not necessary for Connection 1.

Preparations

Turn on the TV or monitor, and set the input selector to external input.



Setting the Recorder Control System

Setting the VTR Mode

When you have connected the recorder using Connection [2], you must set the VTR mode. The factory setting is the VTR 1 (8 mm).

On the VTR mode

Type of remote control signal. To avoid mis-operation by remote control signal among Sony video equipment, there are three different command modes, VTR 1, VTR 2, and VTR 3. Other manufacturers also have their own command modes.

Setting the Manufacturer and Command Mode of the Recorder

When you have connected the recorder using Connection [2], you [3] you must set the manufacturer and command mode of the recorder. This unit has the command modes of other manufacturers preset. Select the appropriate command mode in the menu system. If you cannot find the command mode for your recorder, store the control signal as described on page 20. The factory setting is Sony VTR 2.

1 Press MENU.
The main menu appears.

2 Press \uparrow , \downarrow to select the item for registering the remote control system of the recorder, and press YES.
The menu of the selected item appears.

3 Press \uparrow , \downarrow to select the item for setting the command mode of the CONTROL S connector, and press YES.
The menu of the selected item appears.

4 Move the \bullet mark to the appropriate command mode by pressing \leftarrow , \rightarrow .

5 Press MENU.
The menu disappears.

After the setting, confirm that the recorder operates correctly.

<p>Preset manufacturers (command mode)</p> <ul style="list-style-type: none"> MITSUBISHI (1) MITSUBISHI (2) MITSUBISHI (OLD SYSTEM) HITACHI (1) HITACHI (2) PANASONIC (1) PANASONIC (2) PANASONIC (OLD SYSTEM) PANASONIC (OLD SYSTEM 2) TOSHIBA (1) TOSHIBA (2) SHARP (1) SHARP (OLD SYSTEM) SANYO (1) SANYO (2) NEC (1) NEC (2) 	
<p>1 Press MENU. The main menu appears.</p>	
<p>2 Press \uparrow, \downarrow to select the item for registering the recorder control system, and press YES. The menu of the selected item appears.</p>	
<p>3 Press \uparrow, \downarrow to select the item for selecting the command mode of the recorder, and press YES. The command mode list appears.</p>	
<p>4 Move the \bullet mark to the command mode of the recorder by pressing \uparrow, \downarrow. If you are not sure which is the correct one, select one of them and try operating the recorder.</p>	
<p>5 Press MENU. The menu disappears.</p>	

Setting the Recorder Control System

Storing the Function of the Remote Commander

If you cannot find the command mode of the recorder on the preset command mode list (p.19), store the control signal in this unit so that you can control the recorder using the shuttle dial.

Setting the Shuttle Mode
 When you have connected the recorder using Connection [2], or Connection [3] and you use a Sony remote commander, you must set the shuttle mode according to the recorder. The factory setting is A mode (for a recorder that cannot do slow playback in reverse).

- 1 Press MENU.
 The main menu appears.
- 2 Press \uparrow , \downarrow to select the item for registering the remote control system of the recorder, and press YES.
 The menu of the selected item appears.
- 3 Press \uparrow , \downarrow to select the item for storing the control signal that is not preset, and press YES.
 The menu of the selected item appears.
- 4 As indicated on the screen, press the button of the recorder's remote commander.
 Continue the operation until the "FINISHED" message appears.
 Aim the remote commander at the remote sensor of the main unit. Place the remote commander horizontally, 3 to 5 cm (1 $\frac{1}{2}$ to 2 inches) away from the remote sensor.
 When the "FINISHED" message appears, press YES.
 The control signal is stored.
- 5 Press MENU.
 The menu disappears.

Notes on storing the control signal

- Do not move the main unit or remote commander.
- If you are instructed to press a button that is not on the remote commander, press the \downarrow button and go to the next step. Or, press any other button. (The function of the button will be stored.)
- You cannot operate the player and recorder using the control unit while storing the control signal.

- If you turn off the power of the main unit or control unit, the contents stored until then are erased. Make sure that you do not turn off the power until the "FINISHED" message appears.
- This unit cannot store the control signal of an ultrasonic remote commander or special remote commander.
- This unit may not be able to store every key function of some manufacturers.



Setting the Shuttle Mode
 When you have connected the recorder using Connection [2], or Connection [3] and you use a Sony remote commander, you must set the shuttle mode according to the recorder. The factory setting is A mode (for a recorder that cannot do slow playback in reverse).

- 1 Press MENU.
 The main menu appears.
- 2 Press \uparrow , \downarrow to select the item for registering the remote control system of the recorder, and press YES.
 The menu of the selected item appears.
- 3 Press \uparrow , \downarrow to select the item for setting the shuttle mode, and press YES.
 The menu to select the shuttle mode appears.
- 4 Move the \bullet mark to the appropriate shuttle mode by pressing \uparrow , \downarrow .
A (FORWARD SLOW PLAYBACK ONLY):
 When an infrared remote commander is not supplied with the recorder, or sold separately.
B (BACKWARD SLOW PLAYBACK):
 When an infrared remote commander is supplied with the recorder, or sold separately.
C (HI-SPEED CUE/REV):
 Besides the conditions of the B mode, the recorder can do fast-forward/reverse playback at high speed.
- 5 Press MENU.
 The menu disappears.



Setting the Recorder Control System

Connecting Other Equipment

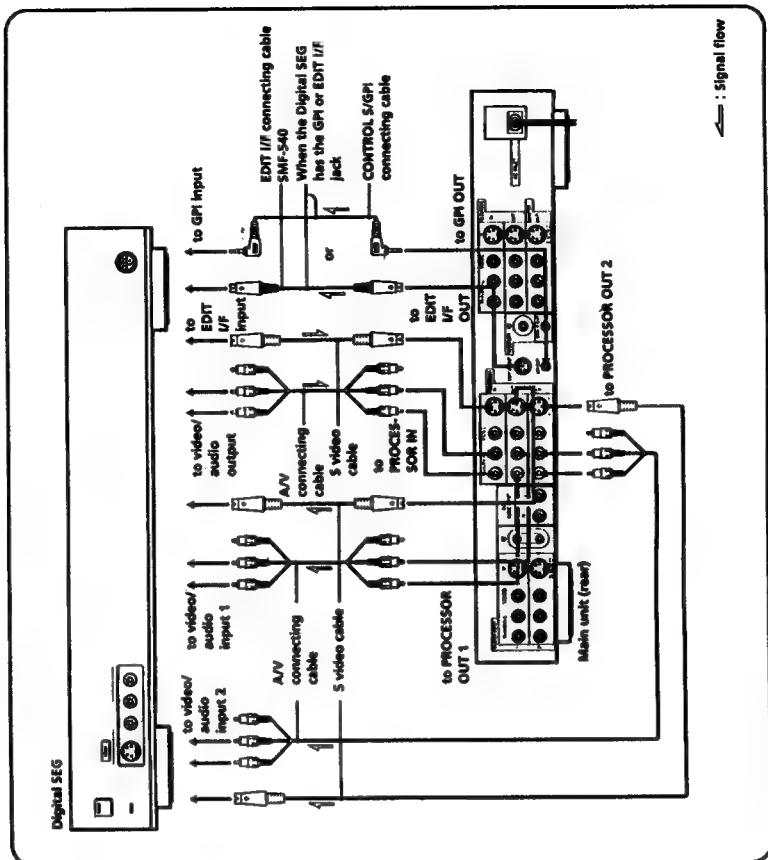
Setting the Pause Mode Release Button
When you have connected the recorder using Connection [2] and [3], you must set which button to release recording/pause mode on the recorder. The factory setting is the pause button.

- 1 Press MENU.
The main menu appears.
- 2 Press \uparrow , \downarrow to select the item for registering the recorder control system, and press YES.
The menu of the selected item appears.
- 3 Press \uparrow , \downarrow to select the item for setting the pause mode release button, and press YES.
The menu of the selected item appears.
- 4 Move the \bullet mark to the appropriate item by pressing \uparrow , \downarrow .
- 5 Press MENU.
The menu disappears.

You can connect a digital SEG, audio equipment and microphone to the main unit.

Connecting the Digital SEG

Connect a Digital SEG to the PROCESSOR IN/OUT jacks of the main unit. If the Digital SEG has a GPI jack or EDITI/F jack, you can transmit the GPI signal or EDITI/F signal.



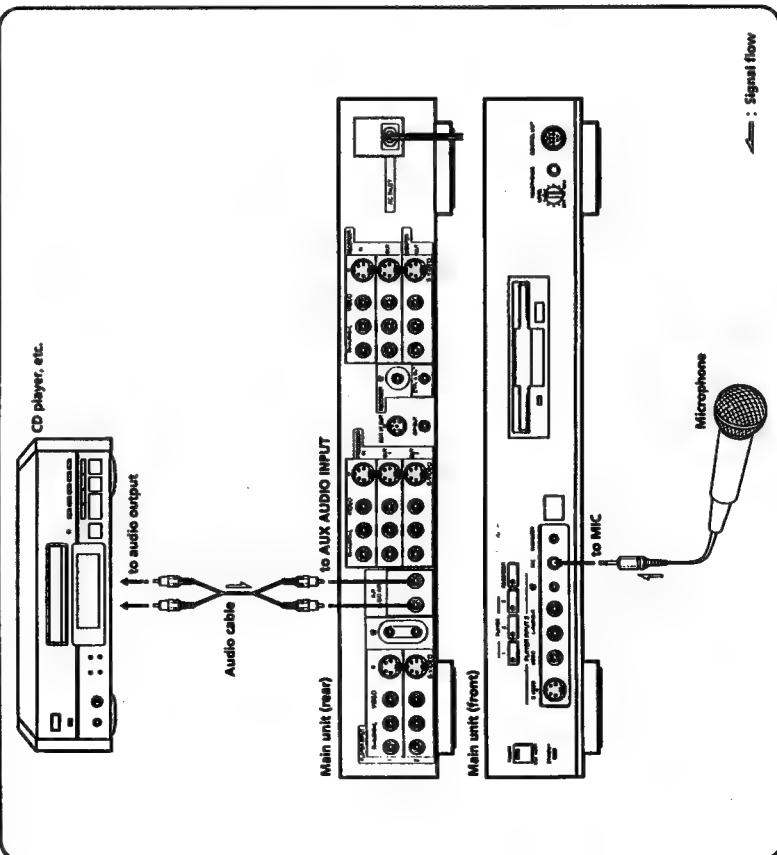
- When the Digital SEG has no S-video jack, connect to the VIDEO jack.
- You can connect the player directly to the digital SEG.

Connecting Other Equipment

Connecting the Audio Equipment and Microphone

Connect the audio equipment to the AUX AUDIO INPUT jacks of the main unit. Connect the microphone to the MIC jack on the front of the main unit. You can mix the audio

signal of the picture and that of the audio equipment (p.44).
Also, you can insert narration.



Note
You cannot use a microphone that is exclusive "plug-in-power" type.

Basic Operations Program Editing

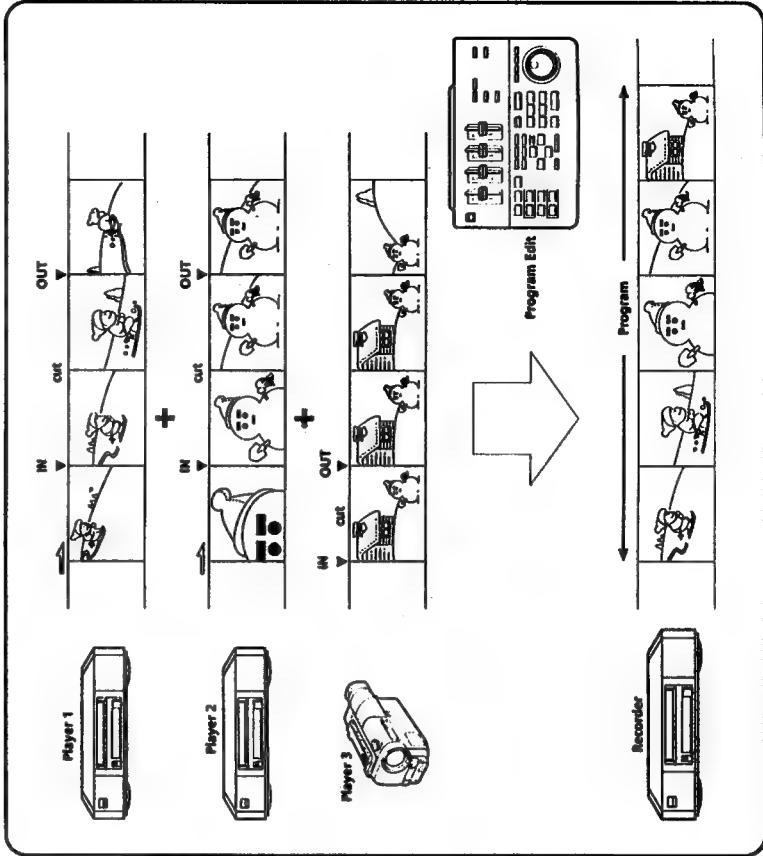
Editing means to make a new tape from a prerecorded tape by deleting unnecessary scenes and allocating the scenes you want in the desired order.

Words Used in Editing

Cut	The each scene to be allocated for editing
IN point	The start point of a cut
OUT point	The end point of a cut
Program	A group of cut of desired length and allocation

Program editing
The automatic editing function of this unit performed by pressing the EDIT START button after making the program.

Time code (RC time code)
This is the function to record the frame-by-frame position of the tape as a serial number of hour, minute, second, frame. As the picture and counter reading are identical, you can locate a scene precisely by the counter.

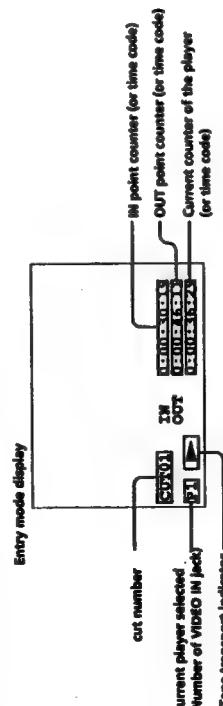


Program Editing

Procedure of the Program Editing

- 1 Turn the power on (p. 27).**
- 2 Set the IN points and OUT points of the cuts (p. 28).**
- 3 Preview the program (p. 31).**
- 4 Execute the program editing (p. 32).**

On-screen display while designating the cuts
The entry mode display appears.



On the entry mode display:
Pressing \leftarrow , \rightarrow changes the cut numbers.
Pressing \downarrow , \uparrow changes the display position.

How many cuts can be designated for a program?
If you edit using the RC time code, you can designate up to 99 cuts in a program. If you do not use the RC time code, when you designate more than 20 cuts per player, the editing accuracy will deteriorate. When you edit more than 20 cuts, do the following.

- Before you designate the cuts, rewind the tape to the beginning and reset the counter to zero.
- Execute the program editing so that the number of cuts does not exceed 20 per player.
- Before executing each program editing mentioned above, rewind the tape to the beginning and reset the counter to zero.
- Rewritable Consumer time code

- The RC time code is not compatible with the time code of products for institutional use.
- When editing using the RC time code, the RC time code must be recorded from the beginning to the end of the tape in series to edit correctly. If the RC time code is not recorded in series, the program editing may stop on the way. In such case, record the RC time code from the beginning to the end of the tape again. (The previous time code or data code will be erased.)

To adjust the lag between the program and edited tape caused by the start time of the recorder or recording pause mode, see "Adjusting the Timing - To Edit Scores Precisely" on page 45.

Preparations for the Program Editing

Before you start the editing operation, get the player and recorder ready. Refer to the operating instructions of the player and recorder.

Preparations Player

- Insert the tape you want to edit.
- If the player has an input/output selector for the video/audio jack, set it to "output".
- If the player has an edit switch, set it to "on". Picture deterioration will be minimized.
- If the player has an infrared remote commander, set it so that the player is not operated by the remote commander.
- If you use the RC time code, set the counter mode to time code.
- If the player has a LANC M/S switch or that in menu, set to "S".

- Insert a tape that can be recorded. (Check the position of the safety tab to prevent recording.)
- Set the input selector to external input.
- Set the recording time, volume and so on. (Refer to the operating instructions of the recorder.)
- In case of LANC control and if the recorder has a LANC M/S switch or that in menu, set to "S".

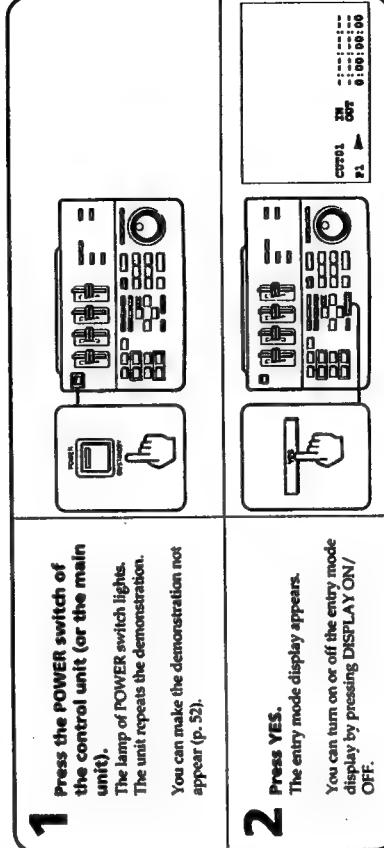
With some recorders, the beginning and end of the recorded picture may become hard to see. To avoid such cases, we recommend inserting video-muted cuts (p. 41) at the beginning and end of a program.

- If the player has a LANC M/S switch or that in menu, set to "S".

Procedure 1 Turning the Power On

1 Press the POWER switch of the control unit (or the main unit).
The lamp of POWER switch lights.
The unit repeats the demonstration.
You can make the demonstration not appear (p. 52).

2 Press YES.
The entry mode display appears.
You can turn on or off the entry mode display by pressing DISPLAY ON/OFF.



Program Editing

Procedure 2 Setting the IN and OUT Points

You can edit by connecting up to 3 players. To designate cuts, first select the player of the desired tape and then designate the cuts.

- 1** Select the tape of the desired scene by pressing **PLAYER 1, 2, 3**.
The selected PLAYER button lights up.
 [a] Player 1 (connected to **PLAYER INPUT 1**)
 [b] Player 2 (connected to **PLAYER INPUT 2**)
 [c] Player 3 (connected to **PLAYER INPUT 3**)

2 Locate the **IN** point of the cut using the tape transport buttons and jog/shuttle dial, and set the player to playback pause mode.
More than about 15 seconds of counter reading (about 15 counts for the 4-digit counter) is necessary from the beginning of the tape to the **IN** point.

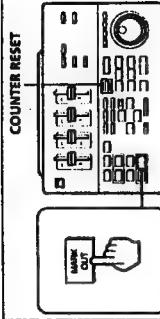
- 3** Press **MARK IN**.
The **IN** point of the cut is set.

4 Locate the **OUT** point using the tape transport buttons and jog/shuttle dial, and set the player to playback pause mode.
More than about 3 seconds of counter reading (about 3 counts for the 4-digit counter) is necessary from the **OUT** point to the end of the tape.

5 Press **MARK OUT**.

The **OUT** point of the cut is set.

COUNTER RESET



6 Repeat steps 1 to 5 to set other cuts.

Cuts are stored in the program when they are set.

- [a]** Make a cut longer than 2 seconds (2 counts).
The unit cannot execute editing a cut shorter than 1 second (1 count). If the cut is displayed in white in the edit list, the unit will not edit the cut. If the cut is displayed in red, this unit will edit the cut. However, as the cut is not long enough, the cut may be recorded incorrectly. A cut longer than 2 seconds (2 count) is displayed in blue.

[b] Make sure that you reset the tape counter to 0:00:00 (0000 for the 4-digit counter) at the beginning of tape.
Press **COUNTER RESET**.
If you use the **RC LINE** code, however, the **COUNTER RESET** button does not function.

The counter reading you can designate for cuts ranges from -8:59:59 to +8:59:59.
You cannot designate the counter readings out of this range.

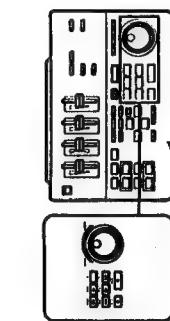
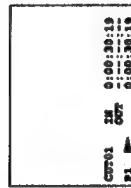
Operating the Jog/Shuttle Dial

You can use the tape transport buttons or jog/shuttle dial to transport the tape of the player that you have selected with the **PLAYER** or **RECORDER** buttons.

Select the desired player or recorder by pressing **PLAYER 1, 2, 3, or RECORDER**.

The button of selected equipment lights. When you select the recorder, the button of player that was selected before the recorder flashes. The signal (audio and video) of the flashing player is output from the **RECORDER OUT** jack of the main unit.

- [a] Player 1 (connected to **PLAYER INPUT 1**)
- [b] Player 2 (connected to **PLAYER INPUT 2**)
- [c] Player 3 (connected to **PLAYER INPUT 3**)
- [d] Recorder



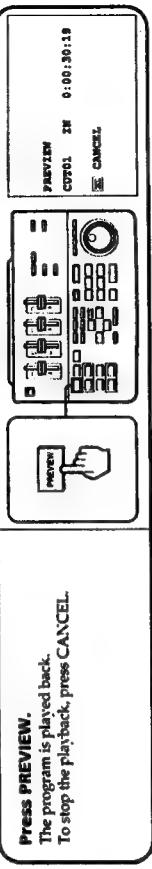
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Program Editing

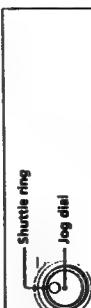
Procedure 3 Previewing the Program

After you have designated the cuts, preview the program to check that the cuts are the correct ones.

Previewing the Program

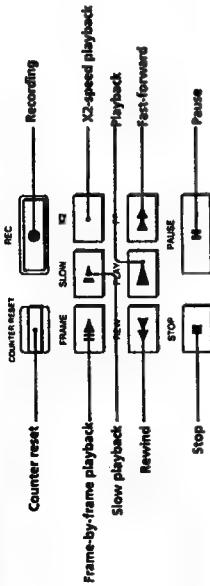


The jog/shuttle dial functions differently depending upon the recorder. If you control a recorder other than LANC, set the shuttle mode (p. 21).



- The jog/shuttle dial may be slow to operate at the beginning as it learns the operations of player and recorder.
- You cannot use the jog/shuttle dial with non-Sony products.

Tape transport buttons



On the jog/shuttle dial

The jog/shuttle dial functions as follows when used in infrared remote control mode.



The jog/shuttle dial functions as follows when used in infrared remote control mode.

Shuttle mode	Shuttle ring	Log dial
A (FORWARD SLOW PLAYBACK ONLY)	Reverse playback (Review) Playback pause	Playback Fast-forward playback (Cue)
B (BACKWARD SLOW PLAYBACK)	1/5-speed reverse playback Reverse playback X2-speed reverse playback Reverse playback (Review)	1/5-speed playback Playback X2-speed playback Fast-forward playback (Cue)
C (HIGH-SPEED CUTTING)	1/5-speed reverse playback Reverse playback (Review) X2-speed reverse playback High speed reverse playback	1/5-speed playback Playback X2-speed playback Fast-forward playback (Cue) High speed fast-forward playback

When you cannot set the recorder to playback/pause mode with the jog/shuttle dial, use the II button.

Notes

- The jog/shuttle dial may operate incorrectly in the following cases.
- You turned the jog/shuttle dial too quickly.
 - The recorder is connected using Connection ② or ③ (p. 14, 15).
 - The player or recorder is slow to react to signals from the remote control unit.

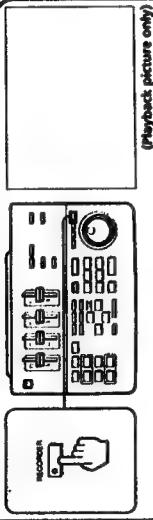
- You do not need to keep pressing the button of the recorder's remote commander to do the picture search (fixed picture search function).
- You turned the shuttle ring immediately after turning on the power. In this case, transport the tape using tape transport buttons once. The jog/shuttle dial will operate normally afterward.

Program Editing

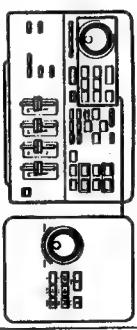
Procedure 4 Executing the Program Editing

This unit automatically edits and records the cuts you have designated for the program.

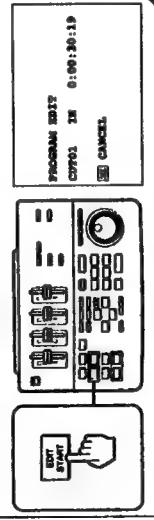
1 Press RECORDER.
The RECORDER button lights.
No on-screen display concerning the recorder appears.



2 Locate the recording starting point using the tape transport buttons and jog/shuttle dial, and set the recorder to playback pause mode.
(In case of the infrared remote control and control S, set to recording pause mode.)



3 Press EDIT START.
The EDIT START button lights, and the unit starts program editing automatically.



When Program Editing Is Finished
The player enters playback pause mode and the recorder enters recording pause mode.
You can select stop mode for the recorder (p. 52).

To Stop Program Editing
Press CANCEL. The player and recorder stop.

To Save the Programs
You can save the program data in a Sony 3.5-inch floppy disk (2HD and 2DD) (p. 56).

When You Finished Editing

Press POWER again.
The lamp of POWER button goes off. The STANDBY lamp of the main unit lights.

If You Will Not Use the Unit for Long Time
Unplug the power cord. The STANDBY lamp goes off.

To minimize the lag between the program and the edited tape

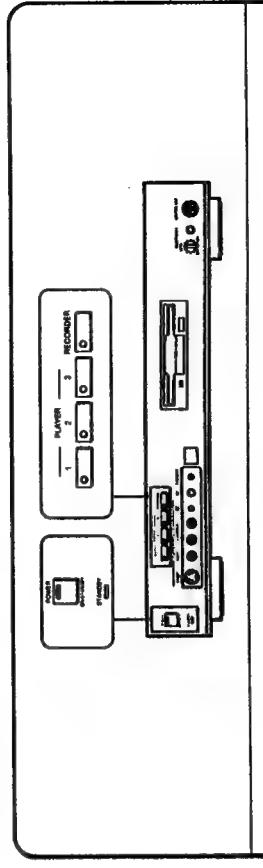
It is inevitable that a lag occurs between the program and the edited tape. There are three causes. One of them is that the IN and OUT points are designated by the counter reading. There is lag between the counter reading and the actual frame. Against two other causes, we recommend the following method to minimize the lag.

Causes

- There is a lag at the recording pause of the recorder.
- The IN and OUT points are set by the counter reading, and there is a lag between the playback picture and the counter reading of the player.
- * This lag does not occur when you edit using the RC time code on a player and recorder that are compatible with the RC time code.

When You are Not Editing

Even if you do not use the unit for editing, you can keep the player and recorder connected to the main unit and use this unit as the input signal selector.



1 Disconnect the control unit.

2 Press the POWER switch to turn the power on.

3 Select the input signal by pressing PLAYER (1/2/3)/RECORDER.

When you select RECORDER

The signal (audio and video) of the player of lighting button (PLAYER 1/2/3) is output from the RECORDER OUT Jack. The signal of the recorder (RECORDER) is output from the MONITOR OUT jack.

Revising the Program

You can change the IN and OUT points of the designated cuts or change the order of cuts. In addition, you can copy or delete cuts.

Changing the IN and OUT Points

- 1** Press ↑, ↓ on the entry mode display until the cut number display appears.
You want to change appears.
The current scene of the player containing the cut appears on the screen.
- 2** Locate the new IN point using the tape transport buttons and JOGSHUTTLE dial, and press MARK IN. The counter reading of IN point is revised.
- 3** Locate the new OUT point using the tape transport buttons and JOGSHUTTLE dial, and press MARK OUT. The counter reading of OUT point is revised.

You can change the IN and OUT points on the cut data display.

Select the cut you want to revise on the cut data display and locate the new IN and OUT points, or directly input the counter reading (p. 35).

Note
If the cut you selected is in a different player from the player currently selected, the IN and OUT points are shown as white in black. In this situation, you cannot change the IN and OUT points. Select the player of the cut you want to revise.

Adjusting the IN and OUT points
(example: cut no. 4).
You can change the counter reading of the IN and OUT points on the cut data display to adjust by a few frames. In this case, the playback picture does not appear.

Adjusting the IN and OUT points

The current scene of the player containing the cut appears on the screen.

- 1** Press ↑, ↓ on the entry mode display until the cut number you want to revise appears
(example: cut no. 4).
The current scene of the player containing the cut appears on the screen.
- 2** Press CUT DATA.
The playback picture disappears and the cut data display appears.
 - [a] Items to be able to set on the cut
 - [b] Counter readings
- 3** Press ↑, ↓ to select the item (IN or OUT) you want to change, and press ↗, ↘ until its counter reading flashes.
- 4** Change the counter reading by pressing ↑, ↓.
Pressing ↑, ↓ changes the frame digits. The second and minute digits will increase or decrease accordingly.
If the counter does not display frame digits, pressing ↑, ↓ changes the second digits.
In case of a 4-digit counter, the last digit changes.
- 5** To reset other items, press ← and repeat steps 3 and 4.
- 6** Press CUT DATA.
The entry mode display appears again.

On the cut data display

Pressing ↑, ↓ moves the cursor to an item.
Pressing ↗ makes the counter of the selected item flash so that you can write figures.
Pressing ← stops the counter flashing, and you can select an item.

When the cursor is at a cut number:

Pressing ↑ displays the cut data of the previous cut.
Pressing ↓ displays the cut data of the next cut.

Revising the Program

Naming the cut

You can name each cut using up to 12 letters, numbers, and symbols.

1 Press ↑, ↓ on the entry mode display until the cut number you want to name appears (example: cut no. 4).

The current scene of the player containing the cut appears on the screen.

2 Press CUT DATA.

The playback picture disappears and the cut data display appears.

3 Press ↑, ↓ to select "CUT NAME" and press ↗.

The cursor moves to the position of the first character to be written.
See page 51 for details.

Some of the characters cannot be used for cut name.

4 Type in the characters using the keyboard.

The entry mode display appears again.

5 When you finish, press CUT DATA.

The entry mode display appears again.

You can write characters using the control unit.

In step 4, press ↑, ↓ until the desired character appears. Then press ↗ to go to next character position. You can write characters by repeating this operation.

To insert a space, press ↘. Press YES to switch to the upper case, lower case, and symbol/figure in turn.

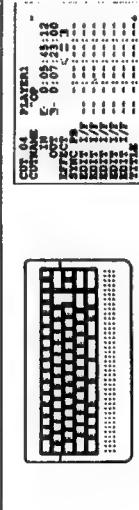
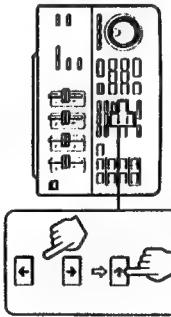
Moving/Copying/Deleting the Cut

You can move, copy, and delete the cuts on the edit list.

Using the Edit List

Press EDIT LIST on the entry mode display.

The counter reading list of IN points appears.



Checking the Total Time of the Program

The total time of selected cuts is displayed at the bottom of the lap time list (TOTAL LAP).

To Exclude a Cut While Program Editing is Executed

Select the cut and press NO to turn off the ≡ mark. To include the cut, press YES to turn on the ≡ mark.

On the edit list

Pressing ↑, ↓ moves the cursor up and down so that you can select a cut.

Pressing ↙, ↘ switches the cut list.

After you have selected a cut:

To locate the IN point scene, press GO TO.

To enter the entry mode, press EDIT LIST.

To display the cut data, press CUT DATA.

To return to the entry mode display, press EDIT LIST.

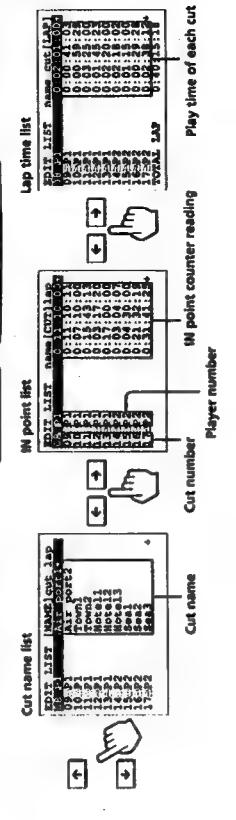
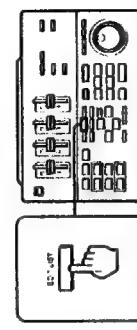
Moving/Copying/Deleting the Cut

You can move, copy, and delete the cuts on the edit list.

Using the Edit List

Press EDIT LIST on the entry mode display.

The counter reading list of IN points appears.



On the edit list

Pressing ↑, ↓ moves the cursor up and down so that you can select a cut.

Pressing ↙, ↘ switches the cut list.

After you have selected a cut:

To locate the IN point scene, press GO TO.

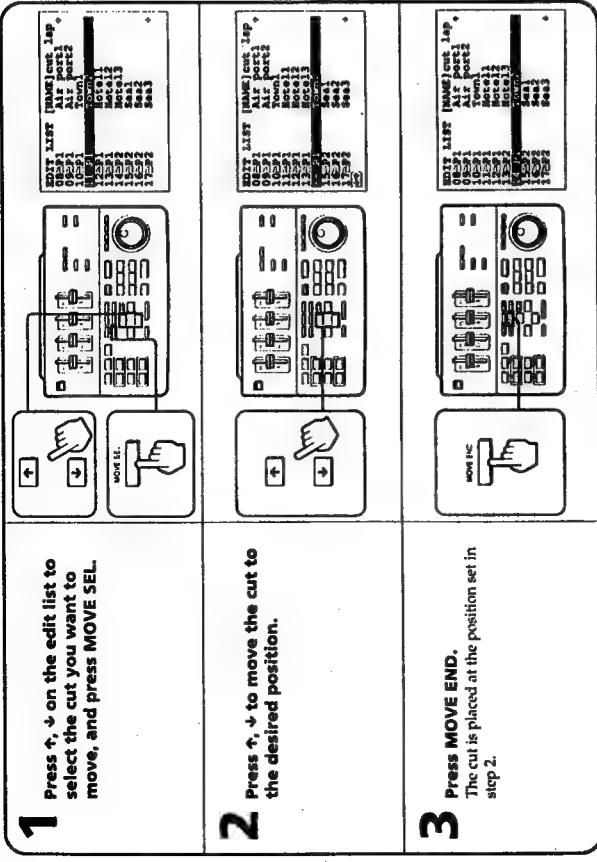
To enter the entry mode, press EDIT LIST.

To display the cut data, press CUT DATA.

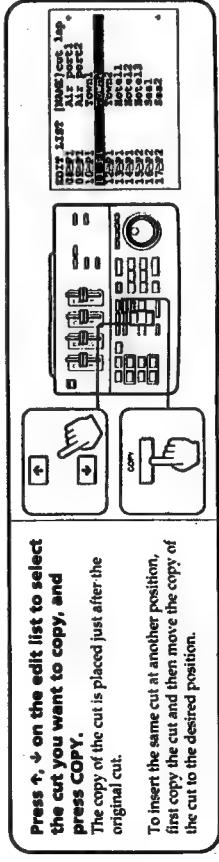
To return to the entry mode display, press EDIT LIST.

Revising the Program

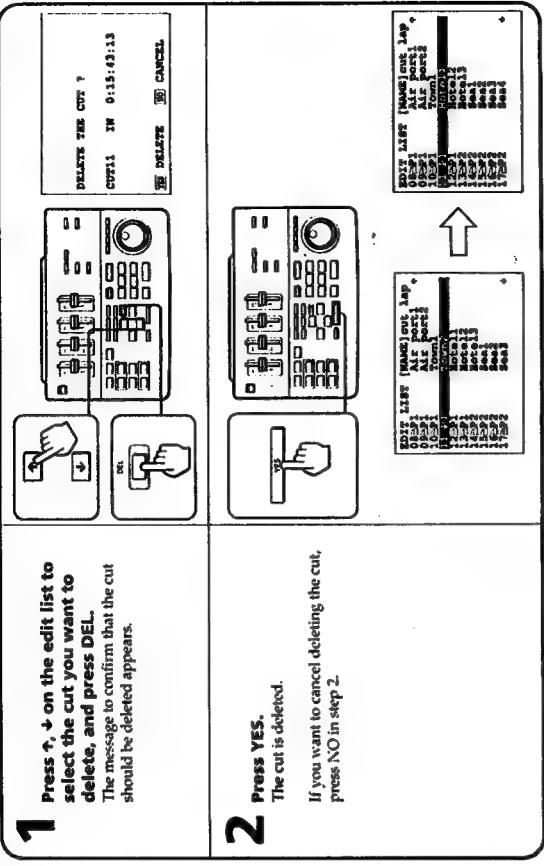
Moving the Cut



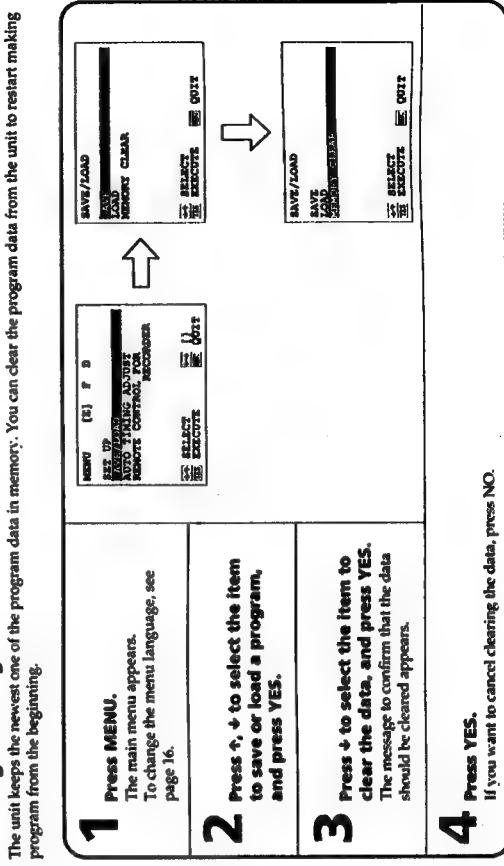
Copying the Cut



Deleting the Cut



Clearing the Program Data from the Unit

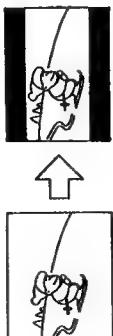


Generating the Special Effects

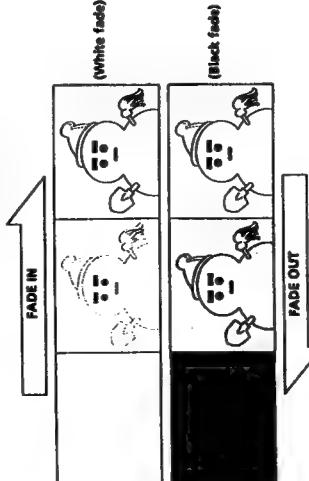
You can make your edited tape more impressive by generating special effects in the video and audio.

longstone Black and white picture (p. 41)

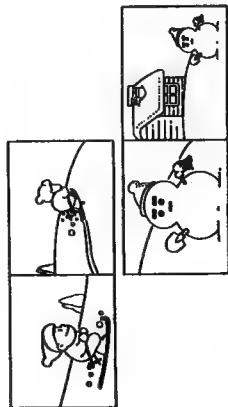
Cinema ... Cut off the top and bottom of the picture so that the picture looks wide just like a film (p.41).



Makes the video and/or audio appear or disappear gradually (p. 41, 43).



600 - 601 - 602 - 603 - 604 (11)



Mixing Mixes in external audio during editing (p. 44).



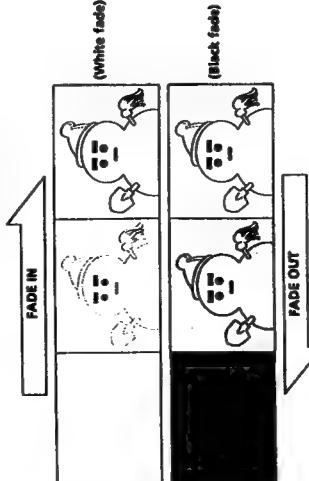
Monotone Cinema: Fade: Mute: Synchronized Playback

monochrome black and white picture [p. 81]

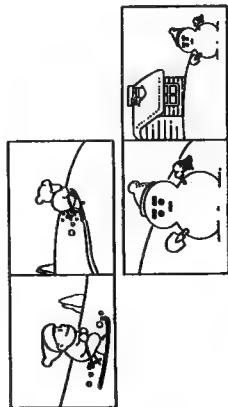
Cinema ... Cut off the top and bottom of the picture so that the picture looks wide just like a film (p.41).

A black and white line drawing of a tooth's cross-section. The main root canal is shown as a vertical line curving downwards. A second, smaller line originates from the upper part of the main canal and extends downwards and to the right, representing a secondary canal. An arrow points upwards from the main canal towards the secondary branch.

Makes the video and/or audio appear or disappear gradually (p. 41, 43).



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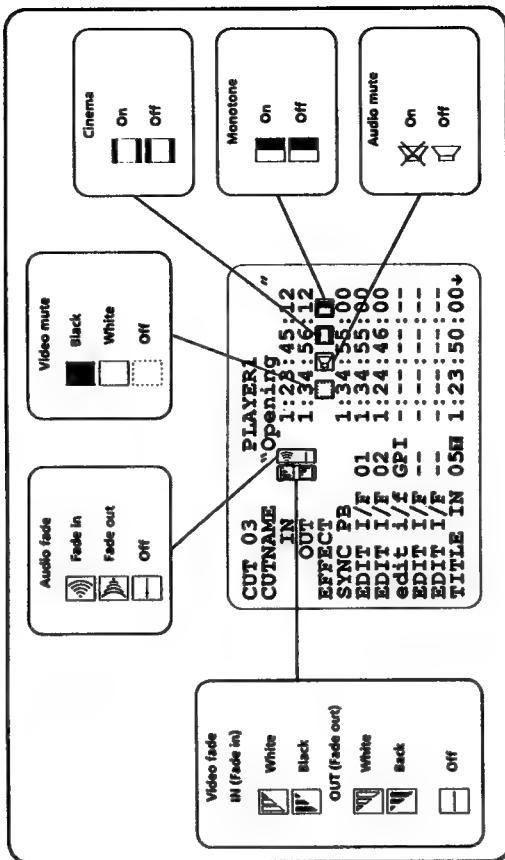


Mixing Mixes in external audio during editing (p. 44).

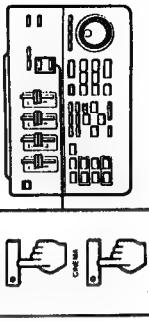


Cut Data
Set the special effect on the cut data display. You can change the setting afterwards.
(you can check or change the contents of the cut on the cut data display.)

To locate the [IN] point, OUT point, SYNC PB point, EDIT I/F point, or GPS point from the cut data display, press CUT after selecting each point on the cut data.



Continued to the next page



To check the monotone and cinema effects

Before you generate the effects, make a test to see how the picture will look with the effects.
Press the button of desired effect.
Mario effect Press **MONOTONE**.
Cinema effect Press **CINEMA**.
The picture takes on the effect.
You can generate both effects for one cut.
After? After you have checked, press the button to turn off the

Generating the Special Effects

Setting the Effects

- 1** Press \uparrow , \downarrow until the cut number you want appears.
The current scene of the player containing the cut appears on the screen.
- 2** Press CUT DATA.
The cut data display appears.
- 3** Select the desired effect by pressing \uparrow , \downarrow , \leftarrow , \rightarrow .
To move the cursor up and down and change the setting \uparrow , \downarrow
To move the cursor left or right and change the setting \leftarrow , \rightarrow
- 4** Press \uparrow , \downarrow until the desired effect mark appears.

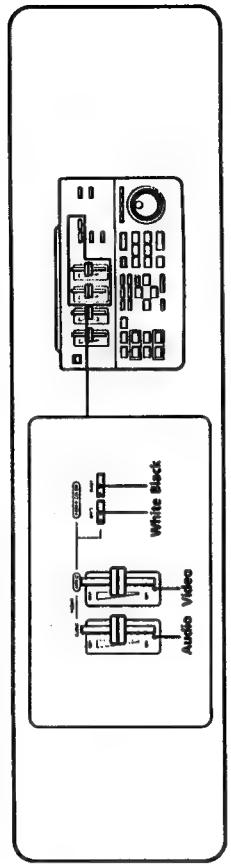
Note on the Synchronized Playback
You can enjoy the A/B roll edit using the Digital SEC (not supplied). The Digital SEC equipment mixes the images by overlapping them.
To make the A/B roll edit, connect the Digital SEC to the PROCESSOR IN/OUT jacks and press PROCESSOR ON/OFF to turn on. See page 58 for details.

Fading In/Out Manually

You cannot adjust the fading speed when you set fading on the cut data display. When you want to fade in or out matching the speed to the cut, edit (record) the cut manually and move the FADER lever.

Note

Make sure that the FADER lever is positioned at MAX when you do not want the effect.



Fading In

- 1** For video fade, press WHITE or BLACK.
The selected FADER COLOR button lights.
White fade WHITE
Black fade BLACK
- 2** Recorder: Locate the point to start recording and set to recording pause mode.
- 3** Player: Start playback from a few seconds before the IN point.
- 4** Position the FADER lever to MIN.
Video VIDEO FADER lever
Audio AUDIO FADER lever
- 5** Recorder: Start recording.
- 6** Move the FADER lever towards MAX as fast as you want.
The video/audio appears by fading in.

Fading Out

- 1** Position the FADER lever at MAX.
Video VIDEO FADER lever
Audio AUDIO FADER lever
- 2** For video fade, press WHITE or BLACK.
The selected FADER COLOR button lights.
White fade WHITE
Black fade BLACK
- 3** While recording, move the FADER lever towards MIN as fast as you want.
- 4** Stop recording and playback.

Generating the Special Effects

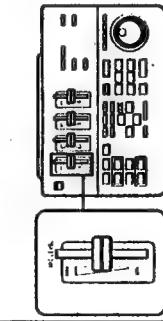
Audio Mixing

While performing the program editing, you can insert narration or mix in sound from connected audio equipment.

Mixing from Microphone

Use a microphone connected to the MIC jack on the front of the main unit to insert narration.

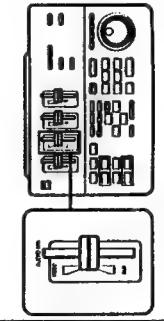
Adjust the microphone volume with the MIC LEVEL lever.
To turn up volume MAX side
To turn down volume MIN side



Mixing in the Sound of Audio Equipment

You can mix in the sound of audio equipment such as a CD player connected to the AUDIO IN/OUT jacks on the rear of the main unit.

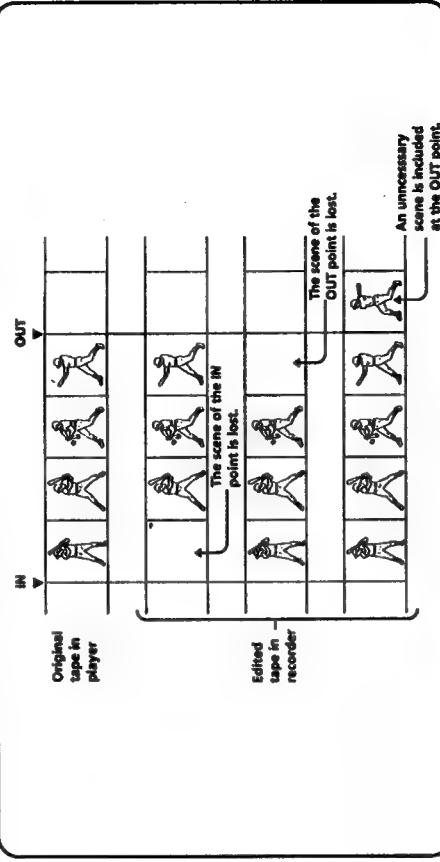
Adjust the balance of the picture sound and the audio source with the AUDIO MIX lever.
To turn up volume of picture sound VIDEO side
To turn up volume of audio source AUX side



Adjusting the Timing — To Edit Scenes Precisely

When you play back the tape that you edited using the program editing, the IN point and/or the OUT point may not be the scene you had designated. Some scenes may not appear, or some unnecessary scenes may be included. There are several possible causes for such discrepancies: some recorders are late to start recording, or some recorders

rewind the tape at the end of recording. Timing adjustment is the operation to compensate for the lag caused by the above characteristics of the recorder so that the cuts are more accurately recorded from the IN point to the OUT point as you designated.



Why the beginning of a cut is lost

For the program editing operations, this unit transmits a control signal to the player to play back from about 15 seconds before the IN point and to the recorder to release the recording pause mode at the IN point. Some recorders, however, require several seconds before starting recording after the recording pause mode is released. This is why the beginning of the cut is lost.

Why the end of a cut is lost, or an unnecessary scene is included at the end of a cut

For the program editing operations, this unit transmits a control signal to the player to play back until about 2 seconds after the OUT point and to the recorder to enter the recording pause or stop mode at the OUT point. Some recorders, however, require several seconds before entering recording pause or stop mode after recording. Or, when starting the next recording, some recorders rewind the tape a little and then enter recording pause or stop mode. This is why the end of the cut is lost, or an unnecessary scene is included at the end of the cut.

Once the timing adjustment has been done, this unit will automatically compensate for the characteristics of the recorder to ensure that the IN and OUT points are recorded accurately. This unit can compensate for the lag:

IN point
NTSC system - up to 5 seconds by 1/30 second (1 frame)*
PAL system - up to 5 seconds by 1/25 second (1 frame)

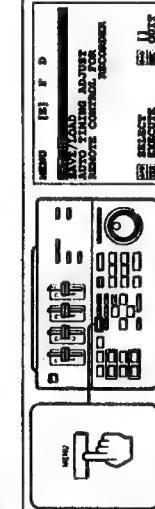
OUT point
NTSC system - from -1 second to +4 seconds by 1/30 second
PAL system - from -1 second to +4 seconds by 1/25 second

* Frame
One frame equals one image. The number of frames displayed in one second differs depending upon the TV system.
NTSC system - about 30 frames per second
PAL system - about 25 frames per second

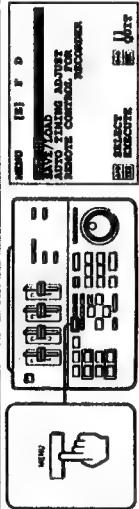
Adjusting the Timing — To Edit Scenes Precisely

Procedure 1 Measure the Lag.

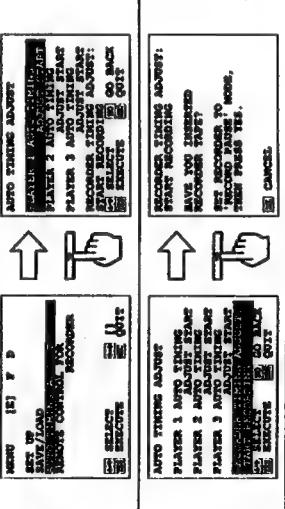
1 Insert a blank tape in the recorder.



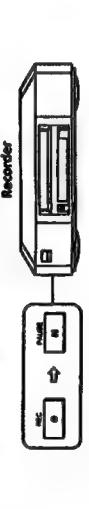
2 Press MENU.
The main menu appears.
To change the menu language, see page 16.



3 Press \uparrow , \downarrow to select the item for measuring the timing automatically, and press YES. The menu of the selected item appears.



4 Press \uparrow , \downarrow to select the item for making a tape to measure the recorder's timing, and press YES. See page 49 to adjust player's timing.

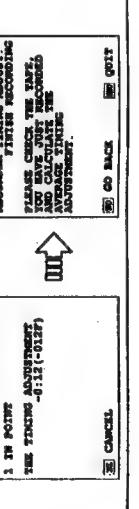


5 Set the recorder to recording pause mode.



6 Press YES.

The timing adjustment data for 5 cuts are recorded.



7 Press MENU.

The menu disappears.

The next procedure is to input the adjustment value in this unit to compensate for the lag (next page).

Procedure 2 Compensate for the Lag.

Preparations Have a pen or something to write with.

1	<p>Press RECORDER, play back the recorded tape by frame-by-frame playback and write down the adjustment value of the IN point (the frame where the recording actually starts) and that of the OUT point (the frame where the recording actually stops).</p> <p>Example: IN 1 -0:21 (-0.01F) IN 2 -0:22 (-0.02F) IN 3 -0:23 (-0.03F) IN 4 -0:20 (-0.00F) IN 5 -0:24 (-0.04F)</p> <p>CANCEL</p> <p>Write down this figure.</p>	<p>IN</p> <p>OUT</p> <p>Example: OUT 1 -0:02 (-0.00F) OUT 2 -0:05 (-0.00F) OUT 3 -0:03 (-0.00F) OUT 4 -0:04 (-0.00F) OUT 5 -0:06 (-0.00F)</p> <p>CANCEL</p> <p>Write down this figure.</p>
2	<p>Obtain the average of the adjustment values.</p> <p>Example IN: -0:22 (-0.02F) OUT: -0:04 (-0.00F)</p>	
3	<p>Press MENU.</p> <p>The main menu appears.</p>	
4	<p>Press \uparrow, \downarrow until the item for setting or adjusting the options appears, and press YES.</p> <p>The menu of the selected item appears.</p>	
5	<p>Press \uparrow, \downarrow to select the item for adjusting the timing manually, and press YES.</p> <p>The menu of the selected item appears.</p>	
6	<p>Press YES.</p> <p>The timing adjustment data for 5 cuts are recorded.</p>	
7	<p>Press MENU.</p> <p>The menu disappears.</p> <p>Continued to the next page</p>	

Adjusting the Timing — To Edit Scenes Precisely

6 To compensate for the lag at the IN POINT, select "IN POINT" and press \downarrow .
To compensate for the lag at the OUT point, select "OUT POINT" and press \uparrow .

7 Press \uparrow , \downarrow until the adjustment value obtained in step 2 appears.
Input the value for the IN and OUT points.

8 When you have finished, press MENU.
The timing adjustment is completed and the menu disappears.

If there is lag even after you have performed the timing adjustment, adjust it again manually.
Even if you have performed the timing adjustment using the automatic measurement, there may be some frames of lag. If the lags are uniform when you confirm the editing result, adjust the lag manually (p. 50).
The manual adjustment, however, may not be effective when:

- the lags are not uniform.
- you are recording in LP mode.
- you are editing with other than the RC time code.
- you use a 4-digit counter during A/B roll editing.

- Notes**
- On the recorder**
- With some recorders, the lag at the IN point of the first cut of the program is different from that of other cuts.
 - With some recorders, the lag at the OUT point of the last cut of the program is different from that of other cuts.
 - Perform the timing adjustment again when:
 - you change the recording mode (SP/LP).
 - you change the control connection of the recorder and this unit.
- On the player**
- Accurate compensation by frame is only possible with video equipment having the RC time code recording function. Use the video equipment on the REC time code, not the R/M/S counter.
 - Accurate compensation is not possible with video equipment lacking the RC time code recording function.
- On the recorder and player**
- Accurate compensation is not possible with video equipment that produces noise in the picture during the playback/pause mode, or does not have the frame-by-frame playback function.

Adjusting the Player's Timing

When you execute the A/B roll edit or synchronized playback, the images may overlap at a different point from the SYNC PB point you set. The reason for this is that the player which starts playback later (B roll player) starts playback later than the SYNC PB point. To compensate for the lag, perform the timing adjustment for the player. As the lag may differ depending upon individual players, perform the timing adjustment for each player.

Automatic Measurement

Two ways of timing adjustment are available.

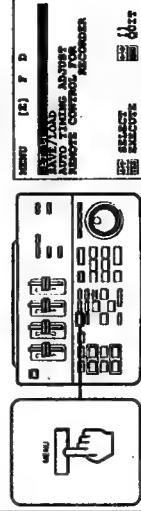
Automatic measurement

This unit measures the tape in the player for the lag, then inputs the adjustment value automatically.

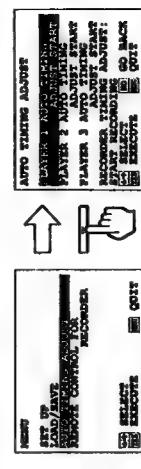
Manual adjustment
You can revise the adjustment value obtained in the automatic measurement, or input the adjustment value directly.

1 Insert a recorded tape in the player and rewind the tape.

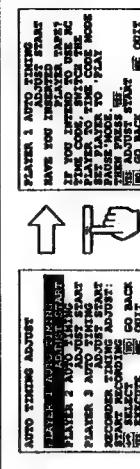
2 Press MENU.
The main menu appears.



3 Press \uparrow , \downarrow to select the item for measuring the timing automatically, and press YES. The menu of the selected item appears.



4 Press \uparrow , \downarrow to select the player you want to measure, and press YES. The automatic measurement display of the selected player appears.



5 Press YES.
After this unit measures the lag, it inputs the adjustment value automatically.

6 After the operation finishes, press MENU.
The menu disappears.

You can review the adjustment value (next page).

Adjusting the Timing — To Edit Scenes Precisely

Optional Settings

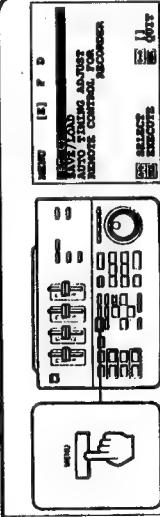
Manual Adjustment
You can revise the adjustment value obtained in the automatic measurement. When you find some lag in the GPI output and EDIT 1/F output timing, make the adjustment described below. In this case, measure the lag by yourself.

The manual adjustment, however, may not be effective when:

- the lags are not uniform.
- you are recording in LP mode.
- you are editing with other than the RC time code.
- you use a 4-digit counter during A/B roll editing.

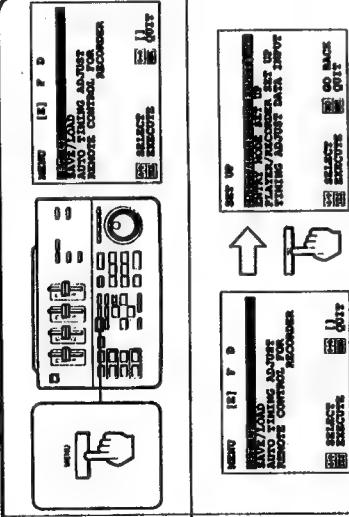
1 Press MENU.

The main menu appears.



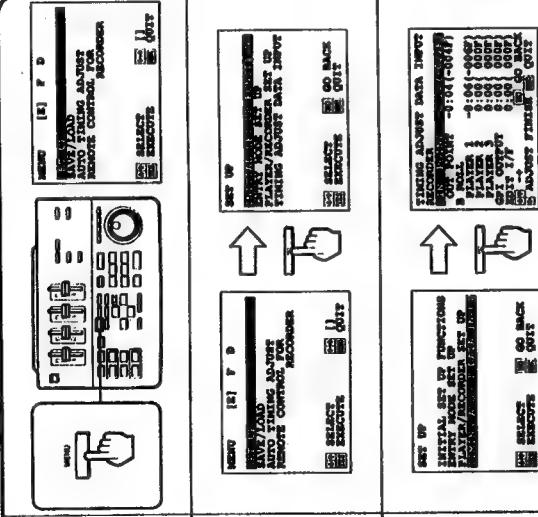
2 Press ↑, ↓ until the item for setting or adjusting the options appears, and press YES.

The menu of the selected item appears.



3 Press ↑, ↓ to select the item for adjusting the timing manually, and press YES.

The menu of the selected item appears.



4 Press ↑, ↓ to select the player for which you want to revise the adjustment value, and then press →.
To compensate for the recorder, GPI and EDIT 1/F timing, select each item in this step.

5 Press ↑, ↓ and change the adjustment value.

6 Press MENU.
The menu disappears.

You can reset the performance of the unit to your preference.

Setting the Options

1	Select the item for setting or adjusting the options in the menu.	
2	Press ↑, ↓ to select the item for optional setting of: • Button sound, beeps, demonstration (INITIAL SET UP FUNCTIONS) • how the unit should act while designating cuts (ENTRY MODE SET UP) • how to transport the tape while executing the program editing (PLAYER/RECODER SET UP). See the next page for description of each option.	
3	Press ↑, ↓ to select the item you want to reset, and ←, → to select the setting.	
4	When you have finished, press MENU. The menu disappears.	

Optional Settings

Description of Options

INITIAL SET UP FUNCTIONS

Menu display	Setting	Description
BUTTON SOUND	ON	A beep sounds when you press a button.
	OFF	No beep sounds.
ERROR SOUND	ON	Beeps sound to warn against wrong operation.
	OFF	No warning beeps sound.
DEMONSTRATION	ON	Demonstration appears when the power is turned on.
	OFF	No demonstration appears.

ENTRY MODE SET UP

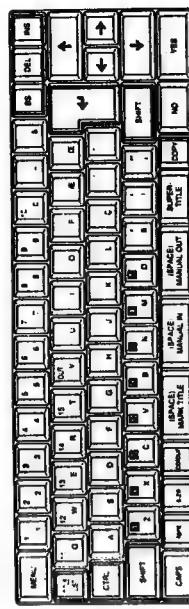
Menu display	Setting	Description
GPI OUTPUT DURING ENTRY	OUTPUT	During designation of the IN and OUT points on the entry mode display, the unit sends the GPI signal to the connected equipment when you press GPI.
	NO OUTPUT	The unit does not send the GPI signal during designation of the IN and OUT points. It sends the GPI signal during program editing instead.
AFTER ENTERING IN/OUT:	NEXT CUT	After the OUT point is set, the entry mode display to set the next IN point appears automatically. (The cut number increases.)
	CUT DATA	After each cut is set, the cut data display appears.
	PRESENT CUT	The cut number does not change. To change the cut number, press ↑, ↓.

PLAYER/RECODER SET UP

Menu display	Setting	Description
PLAYER 1/2/3 SEARCH	FF/REV	Locates a scene by fast-forwarding or rewinding. You can set this player by player.
	CUE/REV	Locates a scene by fast-forward playback or reverse playback. You can set this player by player.
	Note	If the interval between the cuts is too long, the recorder may release recording pause mode. In this case, change to fast-forward/rewind.
RECORDER STATUS AFTER PROGRAM EDIT	STOP	Sets the recorder to stop mode after program editing.
	PAUSE	Sets the recorder to pause mode.

Superimposing Titles

You can make titles using the keyboard and superimpose them in the program.

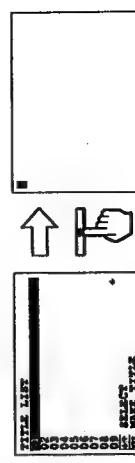


1 TITLE LIST

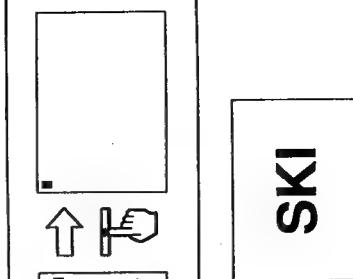


- 1 Press TITLE LIST.
The title number list appears.

2 SELECT TITLE



- 2 Press ↑, ↓ to select a title number, and press YES.
A blank screen appears.



- 3 Type in characters or a symbol.
See the next page for details.

- 4 When the title is completed, press TITLE LIST again.
The title is stored in the unit and the entry mode display appears.

To make other titles, repeat from step 1. Select a different title number in step 2.

Superimposing Titles

To Type In Characters

Move the cursor to the desired position on the screen with the arrow buttons and press the character buttons. To place a blank space, press SHIFT (SPACE).

To move the cursor to the next line, press ↵.

To erase the character you just typed in, press BS (back space).

To delete a character, move the cursor to the character you want to delete and press DEL.
To delete a line, move the cursor to the line you want to delete, press SHIFT and DEL at the same time.

To insert the characters,
1 Move the cursor to where you want to insert, and press INS.

A blank space is inserted.
2 Press INS repeatedly to insert enough spaces for the characters you want to insert.

If you want to overwrite, you do not need to insert spaces.

3 Type in characters.
To insert a line, move the cursor to where you want to insert, press SHIFT and INS at the same time.

Notes

- If there is a character at 24th character position, you cannot insert characters.
- If there is a line at 12th line position, you cannot insert a line.

To type in upper case (capital letters), press SHIFT and the character button at the same time. If you type in all capital letters, press CAPS. Press it again to release CAPS.

To type in European letters such as "ä" for example, while pressing CTRL, press "r", then press "ä". Then CTRL button lets you select the character/mark on the upper right indication of the button.

To change the font, press "font".
3 kinds of font are available. Each time you press "font", the font changes.

To change the size, press "size".
4 kinds of size are available. Each time you press "size", the size changes.

Note on large characters

When you use large characters for a title, a parts of the title cannot fit in the screen. They however, exists out of the screen and will appear when you superimpose the title.

Superimposing the Titles

To change the color, press "colour".

8 kinds of color are available. Each time you press "colour", the color changes.

Note on font, size and color

You can select only one kind of font, size or color per line.

To use a factory preset title, press SUPER-TITLE.
Each time you press SUPER-TITLE, the factory preset title changes.

To position the title, while pressing CTRL, press ↑, ↓, ←, → of the desired direction.

To change the line position, move the cursor to the line, then while pressing SHIFT, press ↑, ↓ until the line comes to the desired position.

How many titles can be stored?
You can make up to 5 titles per cut and store up to 15 titles per program.

To check the titles
Press TITLE LIST.
The list of stored titles appears.
Press again to make the title list disappear.

In the entry mode display

To superimpose the title



- 1 Press OUT.
- 2 Press the desired superimpose button.
- 3 Press MARK TITLE at the desired scene.
- 4 Press YES. The title indication disappears.
If you do not want to turn off the title, press NO.

In the cut data

Set the TITLE option using ↑, ↓, ←, →.



- 1 Press the title number key (1 to 15) on the keyboard.
- 2 Press the desired superimpose button.
- 3 Press MARK TITLE at the desired scene.
- 4 Press YES. The title indication disappears.
If you do not want to superimpose the title, press NO.

Superimposing titles directly

You can superimpose a title during designating cuts or executing the program editing.

To superimpose the title

- 1 Press the title number key.
- 2 Select the desired superimpose button.
- 3 Press MANUAL IN when you want to superimpose the title.

To turn off the title

- 1 Press the desired superimpose button.
- 2 Press MANUAL OUT when you want to turn off the title.

Saving/Loading the Program in the Disk

You can save program data including the titles in a Sony 3.5-inch floppy disk (2HD or 2DD) to load the data back to the unit to execute program editing.

Saving the Program

You can save 1 program data in 1 disk.

1	
2	 Press MENU. The main menu appears.
3	 Press ↑, ↓ to select the item to save or load a program, and press YES. The menu of the selected item appears.
4	 As the item to save a program is selected, press YES. The message to confirm that the program should be saved appears. Press YES again. If the disk has a program saved, the file name is displayed. Press YES to rewrite the disk. Press NO to cancel. The display to input the file name appears.
5	 Type in the file name for the program using the keyboard. You can use up to 12 characters.
6	 Press YES. The unit formats the disk automatically and saves the program in the disk. It takes about 20 to 30 seconds. If you do not want to save the program, press NO.

7 When the saving is completed, press YES.
The entry mode display appears.

To Clear the Program Data from the Unit
Select "CLEAR" in the SAVE/LOAD menu. See page 39 for details

Loading the Program Data from the Disk

1 Insert the disk in the floppy disk drive of the main unit.

2 Make the "SAVELOAD" display appear.
Perform steps 2 and 3 of "Saving the Program".

3 Press ↓ to select the item to load the data and press YES. The file name of the program will be displayed.

4 Press YES again.
The unit loads the program data. It takes about 5 to 10 seconds. If you do not want to load the program, press NO.

- [a] Appears during loading
- [b] Appears when loading is completed.

5 Press YES again.
The entry mode display appears.

6 Insert the tapes in the same players as when you made the program. Execute program editing (page 32).

Controlling the Digital SEG

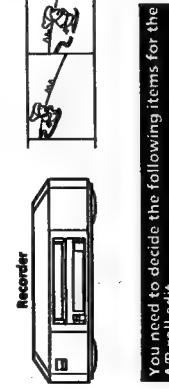
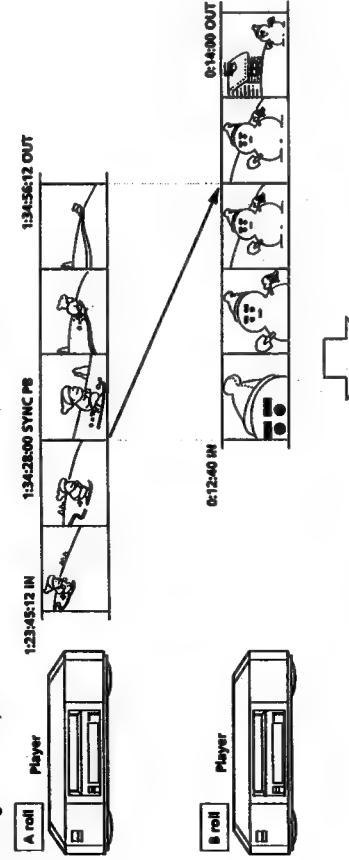
By connecting a Digital SEG having an EDIT 1/F* or GPI* input jack, you can generate effects during editing.
*EDIT 1/F (Edit Interface) and GPI (General Purpose Interface) signals are control signals output from the video editing controller to control external equipment other than the video recorder/player.

A/B Roll Edit by EDIT 1/F

A/B roll edit switches 2 pictures while generating special effects such as overlapping and wiping. For A/B roll editing, you need 2 players, 1 recorder, and Digital SEG having an EDIT 1/F jack.



Note
This unit is unable to edit by 30 frame accuracy.



You need to decide the following items for the A/B roll edit.

- A roll cut
- Cut to be played back before switching.
- Set the OUT point of the cut with extra seconds for switching scenes.
- B roll cut

Cut to be played back after switching.
Designate the cut of a different player from that of A roll cut.

* SYNC PB point

Point to start B roll playback.
When the A roll comes to the SYNC PB point, the B roll start playback.

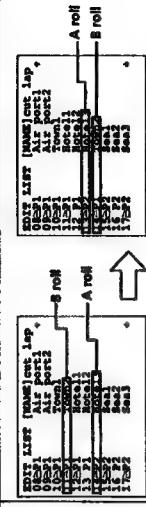
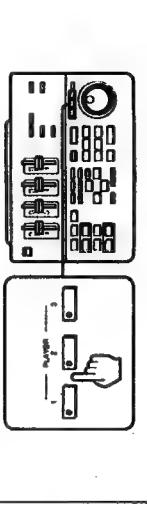
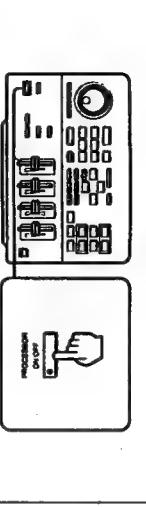
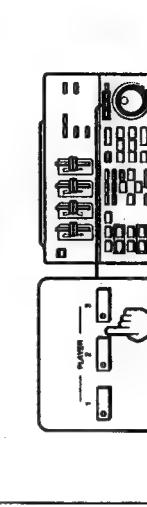
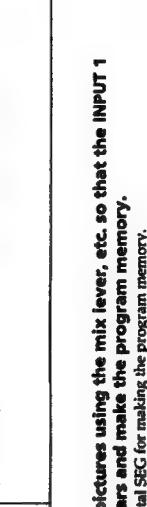
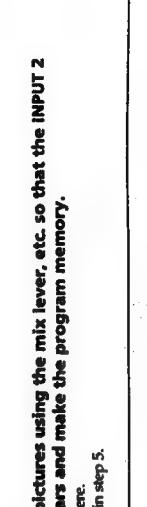
* EDIT 1/F point

Point to start switching
The unit transmits the EDIT 1/F or GPI signal. In the above example, the EDIT 1/F or GPI point is same as the SYNC PB point.

You can easily set these items on this unit, and execute the program edit with the A/B roll.

Setting the A/B Roll Edit in the Program

Connect the unit and the Digital SEG as shown on page 21.

- 1 On the edit list, move the B roll cut next to the A roll cut (p. 38). 
- 2 Select the player of the B roll cut. 
- 3 Press PROCESSOR ON/OFF to turn it on.
If the button is lit, turn it off once.
Then turn it on again.
The video/audio signal of B roll player is input to the INPUT 2 jack of the Digital SEG. 
- 4 Select the player of the A roll cut.
Select a player other than the one selected in step 2.
When you select a player on this unit afterward, the signal to the INPUT 1 jack of the Digital SEG switches. The signal to the INPUT 2 remains same as that of the player you selected in step 2. 
- 5 On the Digital SEG, switch the pictures using the mix lever, etc. so that the INPUT 1 picture of the Digital SEG appears and make the program memory.
See the operating instructions of the Digital SEG for making the program memory. 
- 6 On the Digital SEG, switch the pictures using the mix lever, etc. so that the INPUT 2 picture of the Digital SEG appears and make the program memory.
Also set the switching speed and effect here.
Select a number other than the one used in step 5. 

Continued to the next page

Controlling the Digital SEG

7 In the A roll picture, locate the point to switch to the B roll picture.

(1) Recall the program memory of the Digital SEG made in step 5.

(2) Start playback on the A roll player, locate the scene to switch the pictures and set to pause mode.

8 Make the entry mode display of the A roll player appear, recall the program memory of the Digital SEG made in step 6 and press EDIT IF.

The recalled memory number and EDIT I/F point are displayed.



9 Press CUT DATA to make the cut data display of the A roll cut appear, and set the SYNC PB point, which should be the same counter reading as that of the EDIT I/F point set in step 8.

- [a] Program memory number set in step 6.
- [b] SYNC PB point



10 Set the memory number made in step 5 to the blank item of EDIT I/F, and set the counter reading to "PRE-EVENT" by keeping + pressed.

The INPUT 1 signal needs to be selected before switching. Make the program memory to output the INPUT 1 signal on the Digital SEG and set it to PRE-EVENT. PRE-EVENT is the status before the cut is played back.

- [c] Program memory number set in step 5.
- [d] Set to PRE-EVENT.

Executing the A/B Roll Edit

Press EDIT START to execute the edit.
If you preview the A/B roll edit, press 1 CUT PREVIEW at the A roll cut.

- Notes**
- The number of EDIT I/F settings in a program is limited to the number of program memories available on the Digital SEG. (This unit can display up to 15.)
 - This unit can control only 1 Digital SEG via the EDIT I/F jack.

A/B Roll Edit by GPI

Setting the A/B Roll Edit in the Program

Connect the unit and the Digital SEG as shown on page 23.

1 – 4 Perform in the same way as steps 1 to 4 on page 59.

5 On the Digital SEG:

to perform wipe or mixing only

Make the setting to switch from the INPUT 1 picture to the INPUT 2 picture.

to recall the program memory in sequence

- (1) Make the program memory so that the INPUT 1 picture appears.
- (2) Switch the picture and make the next program memory so that the INPUT 2 picture appears.

6 In the A roll picture, locate the point to switch to the B roll picture.

(1) Make the INPUT 1 picture of the Digital SEG appear.

(2) Start playback on the A roll player, locate the scene to switch the pictures and set to pause mode.

7 Make the entry mode display of the A roll player appear, and press GPI.

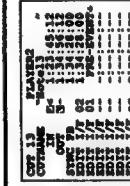


8 Press CUT DATA to make the cut data display of the A roll cut appear, and set the SYNC PB point, which should be the same counter reading as that of the GPI point.

9 Make the cut data display of the cut next to the A/B roll appear, and set the counter reading to "PRE-EVENT" by keeping + pressed.

The INPUT 1 signal needs to be selected before switching. Make the program memory to output the INPUT 1 signal on the Digital SEG and set it to PRE-EVENT. PRE-EVENT is the status before the cut is played back.

[a] Aroll cut
[b] Broll cut



Controlling the Digital SEG

Executing the A/B Roll Edit

1 On the Digital SEG:

- To perform wipe or mixing only.
- Set the Digital SEG so that the INPUT 1 picture appears.
- To recall the program memories in sequence
- Recall the first program memory containing the setting to output the INPUT 1 picture.

2 Press EDIT START to execute the edit.

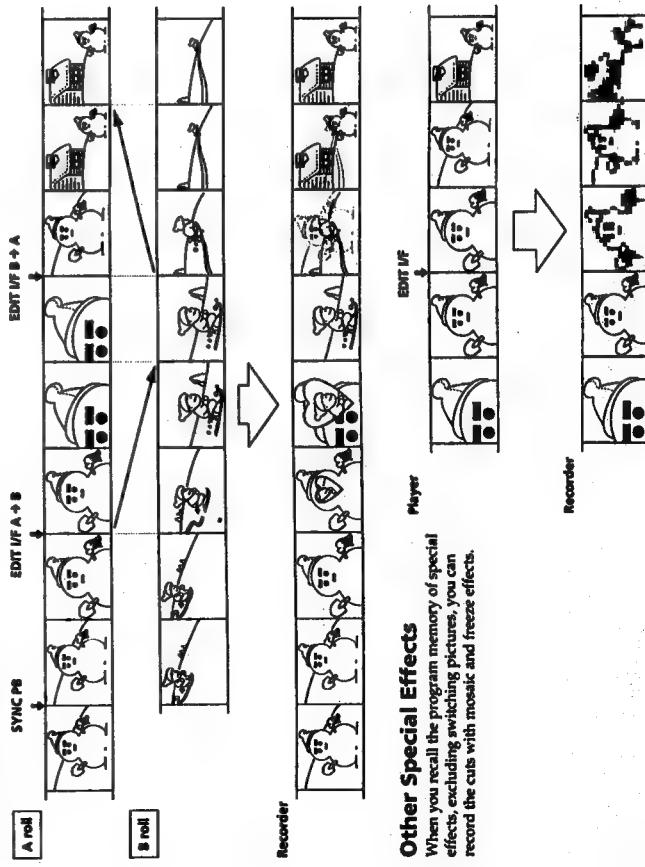
If you preview the A/B roll edit, press 1 CUT PREVIEW at the A roll cut.

A/B and B/A Roll Edit

You can set up to 5 points of EDTT 1/F and GPI in total in a cut.

By setting the long switching duration of the A roll and B roll, and recalling the program memory to output the A roll and the program memory to output the B roll alternately, you can switch the pictures in sequence.

This method is recommended to edit a video of long shots and one of close ups.



Other Special Effects

When you recall the program memory of special effects, excluding switching pictures, you can record the cuts with mosaic and freeze effects.

AV-26P**AV-26U**

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C622	1-163-239-11	CERAMIC CHIP (AEP, UK)	33PF	5%	50V	C723	1-163-241-11	CERAMIC CHIP (AEP, UK)	39PF	5%	50V
C622	1-163-243-11	CERAMIC CHIP (US, Canadian)	47PF	5%	50V	C723	1-163-243-11	CERAMIC CHIP (US, Canadian)	47PF	5%	50V
C623	1-164-232-11	CERAMIC CHIP	0.01uF		50V	C724	1-163-116-00	CERAMIC CHIP (AEP, UK)	91PF	5%	50V
C624	1-163-239-11	CERAMIC CHIP (AEP, UK)	33PF	5%	50V	C724	1-163-251-11	CERAMIC CHIP (US, Canadian)	100PF	5%	50V
C624	1-163-243-11	CERAMIC CHIP (US, Canadian)	47PF	5%	50V	C725	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C625	1-163-038-00	CERAMIC CHIP	0.1uF		25V	C740	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C626	1-124-779-00	ELECT CHIP	10uF	20%	16V	C743	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C627	1-164-232-11	CERAMIC CHIP	0.01uF		50V	C744	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C628	1-163-038-00	CERAMIC CHIP	0.1uF		25V	C745	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C671	1-124-779-00	ELECT CHIP	10uF	20%	16V	C746	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C672	1-163-038-00	CERAMIC CHIP	0.1uF		25V	C747	1-126-193-11	ELECT	1uF	20%	50V
C673	1-163-038-00	CERAMIC CHIP	0.1uF		25V	C748	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C674	1-126-395-11	ELECT	22uF	20%	16V	C749	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C675	1-126-395-11	ELECT	22uF	20%	16V	C750	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C676	1-124-779-00	ELECT CHIP	10uF	20%	16V	C751	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C677	1-163-038-00	CERAMIC CHIP	0.1uF		25V	C752	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C678	1-163-038-00	CERAMIC CHIP	0.1uF		25V	C753	1-164-699-11	CERAMIC CHIP	0.0033uF	5%	50V
C679	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	C754	1-126-602-11	ELECT CHIP	3.3uF	20%	50V
C680	1-163-038-00	CERAMIC CHIP	0.1uF		25V	C755	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C681	1-163-038-00	CERAMIC CHIP	0.1uF		25V	C756	1-163-098-00	CERAMIC CHIP	16PF	5%	50V
C682	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	C757	1-163-092-00	CERAMIC CHIP	9PF	0.25PF	50V
C683	1-163-038-00	CERAMIC CHIP	0.1uF		25V	C758	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
C684	1-163-038-00	CERAMIC CHIP	0.1uF		25V	C761	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C685	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	C762	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C701	1-124-779-00	ELECT CHIP	10uF	20%	16V	C763	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
C702	1-163-038-00	CERAMIC CHIP	0.1uF		25V	C771	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
C706	1-163-038-00	CERAMIC CHIP	0.1uF		25V	C772	1-164-232-11	CERAMIC CHIP	0.1uF		50V
C707	1-163-038-00	CERAMIC CHIP	0.1uF		25V	C773	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C708	1-163-038-00	CERAMIC CHIP	0.1uF		25V	C776	1-164-699-11	CERAMIC CHIP	0.0033uF	5%	50V
C709	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V	C781	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C710	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V	C782	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C711	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C789	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C712	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V	C790	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C714	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V	C791	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C715	1-163-038-00	CERAMIC CHIP	0.1uF		25V	C792	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C716	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	C794	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C717	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	C795	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
C718	1-163-038-00	CERAMIC CHIP	0.1uF		25V	C797	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C719	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C798	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C720	1-163-263-11	CERAMIC CHIP	330PF	5%	50V	C799	1-163-125-00	CERAMIC CHIP (AEP, UK)	220PF	5%	50V
C721	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C801	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C722	1-163-096-00	CERAMIC CHIP (AEP, UK)	13PF	5%	50V	C802	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C722	1-163-098-00	CERAMIC CHIP (US, Canadian)	16PF	5%	50V	C803	1-163-038-00	CERAMIC CHIP	0.1uF		25V
						C804	1-163-038-00	CERAMIC CHIP	0.1uF		25V
						C805	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark	
C806	1-163-038-00	CERAMIC CHIP	0.1uF	25V	C969	1-124-360-00	ELECT	1000uF
C807	1-163-038-00	CERAMIC CHIP	0.1uF	25V	C981	1-164-232-11	CERAMIC CHIP	0.01uF
C808	1-126-206-11	ELECT CHIP	100uF	20% 6.3V	C983	1-163-038-00	CERAMIC CHIP	0.1uF
C810	1-163-038-00	CERAMIC CHIP	0.1uF	25V	C984	1-164-232-11	CERAMIC CHIP	0.01uF
C811	1-163-038-00	CERAMIC CHIP	0.1uF	25V				50V
							< CONNECTOR >	
C812	1-163-038-00	CERAMIC CHIP	0.1uF	25V	* CN001	1-564-007-11	PIN, CONNECTOR 8P	
C813	1-163-038-00	CERAMIC CHIP	0.1uF	25V	* CN101	1-562-717-11	CONNECTOR, 34P	
C816	1-163-038-00	CERAMIC CHIP	0.1uF	25V	CN104	1-564-002-11	PIN, CONNECTOR 3P	
C817	1-163-038-00	CERAMIC CHIP	0.1uF	25V	* CN201	1-562-717-11	CONNECTOR, 34P	
C818	1-163-038-00	CERAMIC CHIP	0.1uF	25V	* CN301	1-562-717-11	CONNECTOR, 34P	
C819	1-163-038-00	CERAMIC CHIP	0.1uF	25V				
C820	1-126-395-11	ELECT	22uF	20% 16V	CN401	1-691-199-21	CONNECTOR, FPC 26P	
C821	1-163-038-00	CERAMIC CHIP	0.1uF	25V	CN403	1-691-199-21	CONNECTOR, FPC 26P	
C822	1-163-038-00	CERAMIC CHIP	0.1uF	25V	CN501	1-506-470-11	PIN, CONNECTOR 5P	
C823	1-163-038-00	CERAMIC CHIP	0.1uF	25V				
							< DIODE >	
C831	1-163-235-11	CERAMIC CHIP	22PF	5% 50V	D001	8-719-157-33	DIODE	RD6.2M-B
C832	1-163-235-11	CERAMIC CHIP	22PF	5% 50V	D002	8-719-157-33	DIODE	RD6.2M-B
C833	1-163-235-11	CERAMIC CHIP	22PF	5% 50V	D003	8-719-157-33	DIODE	RD6.2M-B
C834	1-163-235-11	CERAMIC CHIP	22PF	5% 50V	D004	8-719-157-33	DIODE	RD6.2M-B
C881	1-163-038-00	CERAMIC CHIP	0.1uF	25V	D060	8-719-988-40	DIODE	HVR17TRF (AEP, UK)
C882	1-163-038-00	CERAMIC CHIP	0.1uF	25V	D281	8-719-106-43	DIODE	RD9.1M-B1
C883	1-163-038-00	CERAMIC CHIP	0.1uF	25V	D291	8-719-104-34	DIODE	1S2836
C884	1-124-779-00	ELECT CHIP	10uF	20% 16V	D331	8-719-800-76	DIODE	1SS226
C891	1-126-206-11	ELECT CHIP	100uF	20% 6.3V	D341	8-719-800-76	DIODE	1SS226
C892	1-126-206-11	ELECT CHIP	100uF	20% 6.3V	D351	8-719-800-76	DIODE	1SS226
C893	1-126-206-11	ELECT CHIP	100uF	20% 6.3V				
C894	1-126-206-11	ELECT CHIP	100uF	20% 6.3V	D361	8-719-800-76	DIODE	1SS226
C896	1-163-038-00	CERAMIC CHIP	0.1uF	25V	D371	8-719-800-76	DIODE	1SS226
C897	1-163-251-11	CERAMIC CHIP	100PF	5% 50V	D381	8-719-800-76	DIODE	1SS226
C898	1-163-038-00	CERAMIC CHIP	0.1uF	25V	D421	8-719-800-76	DIODE	1SS226
C899	1-163-038-00	CERAMIC CHIP	0.1uF	25V	D481	8-719-104-34	DIODE	1S2836 (US, Canadian)
C901	1-124-779-00	ELECT CHIP	10uF	20% 16V	D482	8-719-104-34	DIODE	1S2836
C903	1-163-038-00	CERAMIC CHIP	0.1uF	25V	D484	8-719-104-34	DIODE	1S2836 (AEP, UK)
C904	1-164-232-11	CERAMIC CHIP	0.01uF	50V	D485	8-719-104-34	DIODE	1S2836
C905	1-124-360-00	ELECT	1000uF	20% 16V	D486	8-719-104-34	DIODE	1S2836
C917	1-124-779-00	ELECT CHIP	10uF	20% 16V	D487	8-719-104-34	DIODE	1S2836 (US, Canadian)
C919	1-163-038-00	CERAMIC CHIP	0.1uF	25V	D488	8-719-104-34	DIODE	1S2836 (AEP, UK)
C920	1-164-232-11	CERAMIC CHIP	0.01uF	50V	D489	8-719-104-34	DIODE	1S2836
C921	1-124-360-00	ELECT	1000uF	20% 16V	D490	8-719-104-34	DIODE	1S2836
C933	1-164-232-11	CERAMIC CHIP	0.01uF	50V	D491	8-719-104-34	DIODE	1S2836 (US, Canadian)
C935	1-163-038-00	CERAMIC CHIP	0.1uF	25V	D493	8-719-104-34	DIODE	1S2836 (US, Canadian)
C936	1-164-232-11	CERAMIC CHIP	0.01uF	50V	D494	8-719-104-34	DIODE	1S2836 (US, Canadian)
C949	1-124-779-00	ELECT CHIP	10uF	20% 16V	D495	8-719-104-34	DIODE	1S2836 (AEP, UK)
C951	1-163-038-00	CERAMIC CHIP	0.1uF	25V	D741	8-719-988-40	DIODE	HVR17TRF
C952	1-164-232-11	CERAMIC CHIP	0.01uF	50V	D800	8-719-104-34	DIODE	1S2836
C953	1-124-360-00	ELECT	1000uF	20% 16V	D801	8-719-801-78	DIODE	1SS184
C965	1-124-779-00	ELECT CHIP	10uF	20% 16V	D802	8-719-104-34	DIODE	1S2836
C967	1-163-038-00	CERAMIC CHIP	0.1uF	25V	D803	8-719-106-43	DIODE	RD9.1M-B1
C968	1-164-232-11	CERAMIC CHIP	0.01uF	50V	D806	8-719-800-76	DIODE	1SS226

AV-26P**AV-26U**

Ref. No.	Part No.	Description	Remark
D807	8-719-157-33	DIODE RD6. 2M-B	
D808	8-719-157-33	DIODE RD6. 2M-B	
D809	8-719-157-33	DIODE RD6. 2M-B	
D810	8-719-157-33	DIODE RD6. 2M-B	
D811	8-719-157-33	DIODE RD6. 2M-B	
D812	8-719-106-43	DIODE RD9. 1M-B1	
D831	8-719-104-34	DIODE 1S2836	
D832	8-719-104-34	DIODE 1S2836	
D833	8-719-104-34	DIODE 1S2836	
D881	8-719-800-76	DIODE 1SS226	
D882	8-719-800-76	DIODE 1SS226	
D883	8-719-800-76	DIODE 1SS226	
D884	8-719-800-76	DIODE 1SS226	
D885	8-719-800-76	DIODE 1SS226	
D886	8-719-800-76	DIODE 1SS226	
D887	8-719-800-76	DIODE 1SS226	
D888	8-719-800-76	DIODE 1SS226	
D896	8-719-104-34	DIODE 1S2836	
D899	8-719-157-33	DIODE RD6. 2M-B	
D901	8-719-800-76	DIODE 1SS226	
D917	8-719-800-76	DIODE 1SS226	
D933	8-719-800-76	DIODE 1SS226	
D949	8-719-800-76	DIODE 1SS226	
D965	8-719-800-76	DIODE 1SS226	
D981	8-719-800-76	DIODE 1SS226	
< IC >			
IC013	8-759-300-71	IC HD14053BFP (PROCESSOR SELECTOR)	
IC014	8-759-300-71	IC HD14053BFP (PROCESSOR SELECTOR)	
IC101	8-759-100-96	IC uPC4558G2 (AUDIO AMP)	
IC102	8-759-100-96	IC uPC4558G2 (AUDIO AMP)	
IC103	8-759-100-96	IC uPC4558G2 (AUDIO AMP)	
IC104	8-759-100-96	IC uPC4558G2 (AUX AMP)	
IC141	8-759-009-06	IC MC14052BF (PROCESSOR SELECTOR)	
IC142	8-759-009-06	IC MC14052BF (PROCESSOR SELECTOR)	
IC151	8-759-100-96	IC uPC4558G2 (PROCESSOR AMP)	
IC152	8-759-300-71	IC HD14053BFP (PROCESSOR SELECTOR)	
IC153	8-759-300-71	IC HD14053BFP (PROCESSOR SELECTOR)	
IC161	8-759-100-96	IC uPC4558G2 (MAIN AMP)	
IC171	8-759-100-96	IC uPC4558G2 (PROCESSOR AMP)	
IC172	8-759-100-96	IC uPC4558G2 (PROCESSOR AMP)	
IC201	8-759-981-58	IC RC2043MD (MIC AMP)	
IC211	8-759-605-46	IC M51131L (MIC VCA)	
IC212	8-759-605-46	IC M51131L (AUX VCA)	
IC213	8-759-605-46	IC M51131L (MAIN VCA)	
IC241	8-759-100-96	IC uPC4558G2 (MIC AMP)	
IC261	8-759-100-96	IC uPC4558G2 (REC AMP)	
IC262	8-759-300-71	IC HD14053BFP (SELECTOR)	
IC263	8-759-100-96	IC uPC4558G2 (MONITOR AMP)	

Ref. No.	Part No.	Description	Remark
IC301	8-759-710-07	IC NJM2234M (VIDEO SELECTOR)	
IC302	8-759-710-07	IC NJM2234M (Y SELECTOR)	
IC303	8-759-710-07	IC NJM2234M (C SELECTOR)	
IC304	8-759-710-07	IC NJM2234M (VIDEO SELECTOR)	
IC305	8-759-710-07	IC NJM2234M (Y SELECTOR)	
IC306	8-759-710-07	IC NJM2234M (C SELECTOR)	
IC311	8-759-056-33	IC NJM2285M (MAIN SELECTOR)	
IC401	8-759-300-71	IC HD14053BFP (Y/C SELECTOR)	
IC402	8-759-300-71	IC HD14053BFP (MONOTONE SW)	
IC411	8-752-352-67	IC CXD1158M-T6 (INT SYSC & BURST GEN)	
IC421	8-759-032-01	IC MC74HC00AF (NAND)	
IC440	8-759-056-33	IC NJM2285M (INT/EXIT SELECTOR)	
IC441	8-759-605-29	IC CXA1054M (TIMING GEN & AGC)	
IC451	8-759-925-74	IC SN74HC04ANS (INV)	
IC471	8-759-631-08	IC M51279FP (ACC, ACK APC)	
IC490	8-759-926-74	IC SN74HC393ANS (H COUNTER) (AEP, UK)	
IC491	8-759-926-74	IC SN74HC393ANS (H COUNTER)	
IC492	8-759-032-01	IC MC74HC00AF (NAND)	
IC493	8-759-032-23	IC MC74HC74AF (D F/F)	
IC511	8-759-011-65	IC MC74HC4053F (Y MAIN FADER)	
IC512	8-759-011-65	IC MC74HC4053F (Y MAIN FADER)	
IC521	8-759-011-65	IC MC74HC4053F (C MAIN FADER)	
IC522	8-759-011-65	IC MC74HC4053F (C MAIN FADER)	
IC541	8-759-011-65	IC MC74HC4053F (MONI Y SELECT)	
IC551	8-759-011-65	IC MC74HC4053F (MONI C SELECT)	
IC561	8-759-011-65	IC MC74HC4053F (Y TITLE FADER)	
IC562	8-759-011-65	IC MC74HC4053F (Y TITLE FADER)	
IC571	8-759-011-65	IC MC74HC4053F (C TITLE FADER)	
IC572	8-759-011-65	IC MC74HC4053F (C TITLE FADER)	
IC591	8-759-032-01	IC MC74HC00AF (NAND)	
IC592	8-759-032-01	IC MC74HC00AF (NAND)	
IC601	8-759-056-33	IC NJM2285M (REC OUT SELECT)	
IC602	8-759-056-33	IC NJM2285M (MONITOR OUT SELECT)	
IC621	8-759-300-71	IC HD14053BFP (REC Y/C SELECTOR)	
▲IC671	8-759-251-39	IC PQ12TZ1U (AVCC REG)	
IC672	8-759-157-22	IC PQ05TZ1U (AVMM REG)	
IC673	8-759-157-22	IC PQ05TZ1U (EVER5 REG)	
IC674	8-759-157-22	IC PQ05TZ1U (FD VDD REG)	
IC701	8-752-033-58	IC V7040 (Y&C ENCODER)	
IC702	8-759-032-16	IC MC74HC08AF-T2 (AND)	
IC741	8-759-987-20	IC CXD1229Q (910FH AFC)	
IC761	8-759-191-44	IC MB623831 (SCROLL G. A.)	
IC771	8-759-907-81	IC SN74LS221NS (H&V TIMING)	
IC772	8-759-907-81	IC SN74LS221NS (H&V TIMING)	
IC781	8-759-008-48	IC MC74HC86F (NOR)	
IC782	8-759-032-23	IC MC74HC74AF (NAND)	
IC783	8-759-032-01	IC MC74HC00AF (NAND)	
IC784	8-759-032-11	IC MC74HC04AF (INV)	
IC791	8-759-251-38	IC MB90076BPF-G-BND (OSD)	

The components identified by mark ▲ or dotted line with mark ▲ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
IC793	8-759-274-02	IC HN62314BF (FRONT ROM)	
IC801	8-759-273-99	IC HD6473837F (FRONT MICOM)	
IC802	8-759-273-98	IC HD6473834F (EDIT MICOM)	
IC803	8-759-253-14	IC MB89131-165 (A ROLL LANC MICOM)	
IC804	8-759-253-14	IC MB89131-165 (B ROLL LANC MICOM)	
IC806	8-759-501-36	IC MB84256A-LL-PF-E1 (RAM)	
IC810	8-759-926-28	IC SN74HC174ANS (ADDRESS LATCH)	
IC811	8-759-926-28	IC SN74HC174ANS (ADDRESS LATCH)	
IC814	8-759-925-74	IC SN74HC04ANS (INV)	
IC815	8-759-032-23	IC MC74HC74AF (D F/F)	
IC821	8-759-009-06	IC MC14052BF (LANC I/O SELECTOR)	
IC822	8-759-009-06	IC MC14052BF (LANC I/O SELECTOR)	
IC881	8-759-032-11	IC MC74HC04AF (INV)	
IC882	8-759-925-80	IC SN74HC14ANS (INV)	
IC883	8-759-032-16	IC MC74HC08AF-T2 (AND)	
IC891	8-759-044-65	IC M62352FP (EVR)	
IC892	8-759-937-56	IC S-8054ALB-LM-S (RESET)	
IC893	8-759-511-00	IC RH5VA24AA (LOW BATT DET)	
IC897	8-759-274-01	IC HN62302BF (MENU ROM)	
IC898	8-759-032-01	IC MC74HC00AF (NAND)	
IC899	8-759-300-71	IC HD14053BFP (DATA BUS SELECTOR)	
IC900	8-759-274-03	IC uPD17203AGC (IR MICOM)	

< COIL >

L013	1-410-388-31	INDUCTOR CHIP	39uH
L014	1-410-388-31	INDUCTOR CHIP	39uH
L016	1-410-388-31	INDUCTOR CHIP	39uH
L017	1-410-388-31	INDUCTOR CHIP	39uH
L401	1-410-388-31	INDUCTOR CHIP	39uH
L402	1-410-388-31	INDUCTOR CHIP	39uH
L403	1-410-388-31	INDUCTOR CHIP	39uH
L411	1-543-813-21	FILTER, EMI	
L412	1-410-384-31	INDUCTOR CHIP	18uH (AEP, UK)
L412	1-410-385-11	INDUCTOR CHIP	22uH (US, Canadian)
L413	1-410-392-11	INDUCTOR CHIP	82uH (AEP, UK)
L413	1-410-393-11	INDUCTOR CHIP	100uH (US, Canadian)
L414	1-410-393-11	INDUCTOR CHIP	100uH
L441	1-543-813-21	FILTER, EMI	
L471	1-543-813-21	FILTER, EMI	
L621	1-410-388-31	INDUCTOR CHIP	39uH
L622	1-410-388-31	INDUCTOR CHIP	39uH
L701	1-410-387-11	INDUCTOR CHIP	33uH
L702	1-410-387-11	INDUCTOR CHIP	33uH
L703	1-410-382-31	INDUCTOR CHIP	12uH
L704	1-410-382-31	INDUCTOR CHIP	12uH
L705	1-410-386-11	INDUCTOR CHIP	27uH (AEP, UK)
L705	1-410-387-11	INDUCTOR CHIP	33uH (US, Canadian)
L706	1-410-387-11	INDUCTOR CHIP	33uH (AEP, UK)
L706	1-410-388-31	INDUCTOR CHIP	39uH (US, Canadian)

Ref. No.	Part No.	Description	Remark
L707	1-410-384-31	INDUCTOR CHIP	18uH (AEP, UK)
L707	1-410-385-11	INDUCTOR CHIP	22uH (US, Canadian)
L742	1-410-377-31	INDUCTOR CHIP	4.7uH
L743	1-543-813-21	FILTER, EMI	
L744	1-543-813-21	FILTER, EMI	
L745	1-543-813-21	FILTER, EMI	
L761	1-543-813-21	FILTER, EMI	
L762	1-543-813-21	FILTER, EMI	
L763	1-543-813-21	FILTER, EMI	
L791	1-543-813-21	FILTER, EMI	
L792	1-543-813-21	FILTER, EMI	
L793	1-543-775-11	FILTER, EMI	
L801	1-543-813-21	FILTER, EMI	
L802	1-543-813-21	FILTER, EMI	
L804	1-543-813-21	FILTER, EMI	
L805	1-543-813-21	FILTER, EMI	
L806	1-543-813-21	FILTER, EMI	
L807	1-543-813-21	FILTER, EMI	
L808	1-410-658-31	INDUCTOR CHIP	220uH
L809	1-543-813-21	FILTER, EMI	
L810	1-543-813-21	FILTER, EMI	
L811	1-543-813-21	FILTER, EMI	
L881	1-543-813-21	FILTER, EMI	
L899	1-543-813-21	FILTER, EMI	

< TRANSISTOR >

Q013	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q014	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q015	8-729-216-22	TRANSISTOR	2SA1162-G
Q016	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q017	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q018	8-729-923-80	TRANSISTOR	DTC143EK
Q019	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q020	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q021	8-729-216-22	TRANSISTOR	2SA1162-G
Q022	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q023	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q024	8-729-923-80	TRANSISTOR	DTC143EK
Q060	8-729-122-63	TRANSISTOR	2SA1226-E3 (AEP, UK)
Q171	8-729-107-46	TRANSISTOR	2SC3624A-L15
Q172	8-729-107-46	TRANSISTOR	2SC3624A-L15
Q173	8-729-107-46	TRANSISTOR	2SC3624A-L15
Q174	8-729-107-46	TRANSISTOR	2SC3624A-L15
Q191	8-729-923-80	TRANSISTOR	DTC143EK
Q192	8-729-923-80	TRANSISTOR	DTC143EK
Q193	8-729-923-80	TRANSISTOR	DTC143EK
Q194	8-729-923-80	TRANSISTOR	DTC143EK
Q195	8-729-923-80	TRANSISTOR	DTC143EK
Q251	8-729-107-46	TRANSISTOR	2SC3624A-L15

AV-26P**AV-26U**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q252	8-729-107-46	TRANSISTOR	2SC3624A-L15	Q423	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q261	8-729-923-80	TRANSISTOR	DTC143EK	Q441	8-729-901-47	TRANSISTOR	DTA143EK
Q271	8-729-107-46	TRANSISTOR	2SC3624A-L15	Q451	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q272	8-729-107-46	TRANSISTOR	2SC3624A-L15	Q452	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q281	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q453	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q282	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q471	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q283	8-729-216-22	TRANSISTOR	2SA1162-G	Q472	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q291	8-729-901-01	TRANSISTOR	DTC144EK	Q473	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q331	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q491	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q332	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q492	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q333	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q501	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q334	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q502	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q335	8-729-216-22	TRANSISTOR	2SA1162-G	Q503	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q341	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q504	8-729-901-47	TRANSISTOR	DTA143EK
Q342	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q531	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q343	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q532	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q344	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q533	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q345	8-729-216-22	TRANSISTOR	2SA1162-G	Q534	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q351	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q535	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q352	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q536	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q353	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q537	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q354	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q541	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q355	8-729-216-22	TRANSISTOR	2SA1162-G	Q542	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q361	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q543	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q362	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q544	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q363	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q545	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q364	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q551	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q365	8-729-216-22	TRANSISTOR	2SA1162-G	Q552	8-729-216-22	TRANSISTOR	2SA1162-G
Q371	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q553	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q372	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q554	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q373	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q581	8-729-216-22	TRANSISTOR	2SA1162-G
Q374	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q582	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q375	8-729-216-22	TRANSISTOR	2SA1162-G	Q591	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q381	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q592	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q382	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q603	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q383	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q604	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q384	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q605	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q385	8-729-216-22	TRANSISTOR	2SA1162-G	Q606	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q401	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q621	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q402	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q622	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q403	8-729-216-22	TRANSISTOR	2SA1162-G	Q623	8-729-216-22	TRANSISTOR	2SA1162-G
Q404	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q624	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q405	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q625	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q406	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q626	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q407	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q627	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q408	8-729-923-80	TRANSISTOR	DTC143EK	Q628	8-729-923-80	TRANSISTOR	DTC143EK
Q409	8-729-923-80	TRANSISTOR	DTC143EK	Q671	8-729-101-07	TRANSISTOR	2SB798-DL
Q421	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q672	8-729-923-80	TRANSISTOR	DTC143EK
Q422	8-729-120-28	TRANSISTOR	2SC1623-L5L6	Q701	8-729-120-28	TRANSISTOR	2SC1623-L5L6

Ref. No.	Part No.	Description	Remark
Q702	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q703	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q704	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q705	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q706	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q707	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q708	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q709	8-729-923-80	TRANSISTOR	DTC143EK
Q801	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q802	8-729-900-53	TRANSISTOR	DTC114EK
Q803	8-729-901-01	TRANSISTOR	DTC144EK
Q804	8-729-901-01	TRANSISTOR	DTC144EK
Q811	8-729-901-47	TRANSISTOR	DTA143EK
Q812	8-729-901-47	TRANSISTOR	DTA143EK
Q813	8-729-901-47	TRANSISTOR	DTA143EK
Q814	8-729-901-47	TRANSISTOR	DTA143EK
Q815	8-729-901-47	TRANSISTOR	DTA143EK
Q816	8-729-901-47	TRANSISTOR	DTA143EK
Q831	8-729-900-53	TRANSISTOR	DTC114EK
Q832	8-729-901-01	TRANSISTOR	DTC144EK
Q833	8-729-900-53	TRANSISTOR	DTC114EK
Q834	8-729-901-01	TRANSISTOR	DTC144EK
Q835	8-729-900-53	TRANSISTOR	DTC114EK
Q836	8-729-901-01	TRANSISTOR	DTC144EK
Q881	8-729-140-47	TRANSISTOR	2SC3735-L-B35
Q882	8-729-140-47	TRANSISTOR	2SC3735-L-B35
Q883	8-729-140-47	TRANSISTOR	2SC3735-L-B35
Q898	8-729-901-47	TRANSISTOR	DTA143EK
Q899	8-729-901-47	TRANSISTOR	DTA143EK
Q901	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q902	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q903	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q904	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q905	8-729-216-22	TRANSISTOR	2SA1162-G
Q917	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q918	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q919	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q920	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q921	8-729-216-22	TRANSISTOR	2SA1162-G
Q933	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q934	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q935	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q936	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q937	8-729-216-22	TRANSISTOR	2SA1162-G
Q949	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q950	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q951	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q952	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q953	8-729-216-22	TRANSISTOR	2SA1162-G

Ref. No.	Part No.	Description	Remark
Q965	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q966	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q967	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q968	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q969	8-729-216-22	TRANSISTOR	2SA1162-G
Q981	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q982	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q983	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q984	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q985	8-729-216-22	TRANSISTOR	2SA1162-G
< RESISTOR >			
R001	1-208-755-11	METAL GLAZE	75 0.50% 1/10W
R002	1-208-755-11	METAL GLAZE	75 0.50% 1/10W
R003	1-208-755-11	METAL GLAZE	75 0.50% 1/10W
R004	1-208-755-11	METAL GLAZE	75 0.50% 1/10W
R005	1-208-755-11	METAL GLAZE	75 0.50% 1/10W
R006	1-208-755-11	METAL GLAZE	75 0.50% 1/10W
R007	1-208-755-11	METAL GLAZE	75 0.50% 1/10W
R008	1-208-755-11	METAL GLAZE	75 0.50% 1/10W
R009	1-208-755-11	METAL GLAZE	75 0.50% 1/10W
R010	1-208-755-11	METAL GLAZE	75 0.50% 1/10W
R011	1-208-755-11	METAL GLAZE	75 0.50% 1/10W
R012	1-208-755-11	METAL GLAZE	75 0.50% 1/10W
R013	1-216-041-00	METAL CHIP	470 5% 1/10W
R014	1-216-049-00	METAL CHIP	1K 5% 1/10W
R015	1-216-049-00	METAL CHIP	1K 5% 1/10W
R016	1-216-081-00	METAL CHIP	22K 5% 1/10W
R017	1-216-081-00	METAL CHIP	22K 5% 1/10W
R018	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R019	1-216-049-00	METAL CHIP	1K 5% 1/10W
R020	1-216-041-00	METAL CHIP	470 5% 1/10W
R021	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R022	1-216-073-00	METAL CHIP	10K 5% 1/10W
R023	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R024	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R025	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R026	1-216-045-00	METAL CHIP	680 5% 1/10W
R027	1-208-800-11	METAL GLAZE	5.6K 0.50% 1/10W
R028	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R029	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R030	1-216-041-00	METAL CHIP	470 5% 1/10W
R031	1-216-049-00	METAL CHIP	1K 5% 1/10W
R032	1-216-049-00	METAL CHIP	1K 5% 1/10W
R033	1-216-081-00	METAL CHIP	22K 5% 1/10W
R034	1-216-081-00	METAL CHIP	22K 5% 1/10W
R035	1-216-041-00	METAL CHIP	470 5% 1/10W
R036	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R037	1-216-049-00	METAL CHIP	1K 5% 1/10W

AV-26P**AV-26U**

Ref. No.	Part No.	Description	Remark
R038	1-216-041-00	METAL CHIP	470 5% 1/10W
R039	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R040	1-216-073-00	METAL CHIP	10K 5% 1/10W
R041	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R042	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R043	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R044	1-216-045-00	METAL CHIP	680 5% 1/10W
R045	1-208-800-11	METAL GLAZE	5.6K 0.50% 1/10W
R046	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R047	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R048	1-216-041-00	METAL CHIP	470 5% 1/10W
R050	1-216-073-00	METAL CHIP (US, Canadian)	10K 5% 1/10W
R051	1-216-295-91	METAL GLAZE (US, Canadian)	0 5% 1/10W
R052	1-216-295-91	METAL GLAZE (US, Canadian)	0 5% 1/10W
R060	1-216-025-00	METAL CHIP (AEP, UK)	100 5% 1/10W
R061	1-216-085-00	METAL CHIP (AEP, UK)	33K 5% 1/10W
R062	1-216-073-00	METAL CHIP (AEP, UK)	10K 5% 1/10W
R063	1-216-121-00	METAL CHIP (AEP, UK)	1M 5% 1/10W
R064	1-208-826-11	METAL GLAZE (AEP, UK)	68K 0.50% 1/10W
R065	1-216-295-91	METAL GLAZE (AEP, UK)	0 5% 1/10W
R066	1-216-065-00	METAL CHIP (AEP, UK)	4.7K 5% 1/10W
R067	1-216-295-91	METAL GLAZE (AEP, UK)	0 5% 1/10W
R068	1-216-049-00	METAL CHIP (AEP, UK)	1K 5% 1/10W
R069	1-208-826-11	METAL GLAZE (AEP, UK)	68K 0.50% 1/10W
R070	1-216-081-00	METAL CHIP	22K 5% 1/10W
R071	1-216-081-00	METAL CHIP	22K 5% 1/10W
R072	1-216-081-00	METAL CHIP	22K 5% 1/10W
R073	1-216-081-00	METAL CHIP	22K 5% 1/10W
R074	1-216-081-00	METAL CHIP	22K 5% 1/10W
R075	1-216-081-00	METAL CHIP	22K 5% 1/10W
R076	1-216-081-00	METAL CHIP	22K 5% 1/10W
R077	1-216-081-00	METAL CHIP	22K 5% 1/10W
R078	1-216-121-00	METAL CHIP	1M 5% 1/10W
R079	1-216-121-00	METAL CHIP	1M 5% 1/10W
R080	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
R081	1-208-755-11	METAL GLAZE	75 0.50% 1/10W
R082	1-208-755-11	METAL GLAZE	75 0.50% 1/10W
R083	1-208-755-11	METAL GLAZE	75 0.50% 1/10W

Ref. No.	Part No.	Description	Remark
R084	1-216-029-00	METAL CHIP	150 5% 1/10W
R085	1-216-029-00	METAL CHIP	150 5% 1/10W
R086	1-216-049-00	METAL CHIP	1K 5% 1/10W
R087	1-216-049-00	METAL CHIP	1K 5% 1/10W
R091	1-208-830-11	METAL GLAZE	100K 0.50% 1/10W
R092	1-208-830-11	METAL GLAZE	100K 0.50% 1/10W
R093	1-216-091-00	METAL CHIP	56K 5% 1/10W
R094	1-216-073-00	METAL CHIP	10K 5% 1/10W
R095	1-216-041-00	METAL CHIP	470 5% 1/10W
R096	1-216-097-00	METAL CHIP	100K 5% 1/10W
R097	1-216-097-00	METAL CHIP	100K 5% 1/10W
R101	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R102	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R103	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R104	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R105	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R106	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R107	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R108	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R109	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R110	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R111	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R112	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R113	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R114	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R115	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R116	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R117	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R118	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R119	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R120	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R121	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R122	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R123	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R124	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R125	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R126	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R127	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R128	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R129	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R130	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R131	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R132	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R141	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R142	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R143	1-216-073-00	METAL CHIP	10K 5% 1/10W
R144	1-216-073-00	METAL CHIP	10K 5% 1/10W
R145	1-216-073-00	METAL CHIP	10K 5% 1/10W
R146	1-216-073-00	METAL CHIP	10K 5% 1/10W

Ref. No.	Part No.	Description	Remark
R151	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R152	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R153	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R154	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R155	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R156	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R157	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R158	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R159	1-216-073-00	METAL CHIP	10K 5% 1/10W
R161	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R162	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R163	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R164	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R165	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R166	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R171	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R172	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R173	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R174	1-216-041-00	METAL CHIP	470 5% 1/10W
R175	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R176	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R177	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R178	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R179	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R180	1-216-041-00	METAL CHIP	470 5% 1/10W
R181	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R182	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R183	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R184	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R185	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R186	1-216-041-00	METAL CHIP	470 5% 1/10W
R187	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R188	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R189	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R190	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R191	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R192	1-216-041-00	METAL CHIP	470 5% 1/10W
R193	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R194	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R204	1-208-814-11	METAL GLAZE	22K 0.50% 1/10W
R205	1-208-814-11	METAL GLAZE	22K 0.50% 1/10W
R206	1-208-802-11	METAL GLAZE	6.8K 0.50% 1/10W
R207	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R231	1-216-041-00	METAL CHIP	470 5% 1/10W
R232	1-216-041-00	METAL CHIP	470 5% 1/10W
R233	1-208-802-11	METAL GLAZE	6.8K 0.50% 1/10W
R241	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R242	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R243	1-216-065-00	METAL CHIP	4.7K 5% 1/10W

Ref. No.	Part No.	Description	Remark
R244	1-208-800-11	METAL GLAZE	5.6K 0.50% 1/10W
R245	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R246	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R247	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R248	1-208-800-11	METAL GLAZE	5.6K 0.50% 1/10W
R249	1-208-801-11	METAL GLAZE	6.2K 0.50% 1/10W
R250	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R251	1-216-041-00	METAL CHIP	470 5% 1/10W
R252	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R253	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R254	1-216-041-00	METAL CHIP	470 5% 1/10W
R255	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R256	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R261	1-208-830-11	METAL GLAZE	100K 0.50% 1/10W
R262	1-208-830-11	METAL GLAZE	100K 0.50% 1/10W
R263	1-208-830-11	METAL GLAZE	100K 0.50% 1/10W
R264	1-208-830-11	METAL GLAZE	100K 0.50% 1/10W
R265	1-208-830-11	METAL GLAZE	100K 0.50% 1/10W
R266	1-208-830-11	METAL GLAZE	100K 0.50% 1/10W
R267	1-208-830-11	METAL GLAZE	100K 0.50% 1/10W
R268	1-208-830-11	METAL GLAZE	100K 0.50% 1/10W
R269	1-216-073-00	METAL CHIP	10K 5% 1/10W
R271	1-216-041-00	METAL CHIP	470 5% 1/10W
R272	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R273	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R274	1-216-041-00	METAL CHIP	470 5% 1/10W
R275	1-208-838-11	METAL GLAZE	220K 0.50% 1/10W
R276	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R281	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R282	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R283	1-216-073-00	METAL CHIP	10K 5% 1/10W
R284	1-216-121-00	METAL CHIP	1M 5% 1/10W
R285	1-216-073-00	METAL CHIP	10K 5% 1/10W
R286	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R291	1-216-073-00	METAL CHIP	10K 5% 1/10W
R292	1-216-073-00	METAL CHIP	10K 5% 1/10W
R293	1-216-073-00	METAL CHIP	10K 5% 1/10W
R294	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R295	1-208-802-11	METAL GLAZE	6.8K 0.50% 1/10W
R296	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R297	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R301	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R302	1-216-081-00	METAL CHIP	22K 5% 1/10W
R303	1-216-041-00	METAL CHIP	470 5% 1/10W
R304	1-216-033-00	METAL CHIP	220 5% 1/10W
R305	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
R306	1-208-788-11	METAL GLAZE	1.8K 0.50% 1/10W
R307	1-208-790-11	METAL GLAZE	2.2K 0.50% 1/10W
R308	1-216-057-00	METAL CHIP	2.2K 5% 1/10W

AV-26P**AV-26U**

Ref. No.	Part No.	Description		Remark
R309	1-216-041-00	METAL CHIP	470	5% 1/10W
R310	1-216-041-00	METAL CHIP	470	5% 1/10W
R311	1-216-025-00	METAL CHIP	100	5% 1/10W
R312	1-216-001-00	METAL CHIP	10	5% 1/10W
R313	1-216-001-00	METAL CHIP	10	5% 1/10W
				:
R314	1-216-025-00	METAL CHIP	100	5% 1/10W
R315	1-208-762-11	METAL GLAZE	150	0.50% 1/10W
R316	1-216-049-00	METAL CHIP	1K	5% 1/10W
R317	1-208-826-11	METAL GLAZE	68K	0.50% 1/10W
R318	1-216-081-00	METAL CHIP	22K	5% 1/10W
R319	1-216-041-00	METAL CHIP	470	5% 1/10W
R320	1-216-033-00	METAL CHIP	220	5% 1/10W
R321	1-216-057-00	METAL CHIP	2.2K	5% 1/10W
R322	1-208-788-11	METAL GLAZE	1.8K	0.50% 1/10W
R323	1-208-790-11	METAL GLAZE	2.2K	0.50% 1/10W
R324	1-216-057-00	METAL CHIP	2.2K	5% 1/10W
R325	1-216-041-00	METAL CHIP	470	5% 1/10W
R326	1-216-041-00	METAL CHIP	470	5% 1/10W
R327	1-216-025-00	METAL CHIP	100	5% 1/10W
R328	1-216-001-00	METAL CHIP	10	5% 1/10W
R329	1-216-001-00	METAL CHIP	10	5% 1/10W
R330	1-216-025-00	METAL CHIP	100	5% 1/10W
R331	1-208-762-11	METAL GLAZE	150	0.50% 1/10W
R332	1-216-049-00	METAL CHIP	1K	5% 1/10W
R333	1-208-826-11	METAL GLAZE	68K	0.50% 1/10W
R334	1-216-081-00	METAL CHIP	22K	5% 1/10W
R335	1-216-041-00	METAL CHIP	470	5% 1/10W
R336	1-216-033-00	METAL CHIP	220	5% 1/10W
R337	1-216-057-00	METAL CHIP	2.2K	5% 1/10W
R338	1-208-788-11	METAL GLAZE	1.8K	0.50% 1/10W
R339	1-208-790-11	METAL GLAZE	2.2K	0.50% 1/10W
R340	1-216-057-00	METAL CHIP	2.2K	5% 1/10W
R341	1-216-041-00	METAL CHIP	470	5% 1/10W
R342	1-216-041-00	METAL CHIP	470	5% 1/10W
R343	1-216-025-00	METAL CHIP	100	5% 1/10W
R344	1-216-001-00	METAL CHIP	10	5% 1/10W
R345	1-216-001-00	METAL CHIP	10	5% 1/10W
R346	1-216-025-00	METAL CHIP	100	5% 1/10W
R347	1-208-762-11	METAL GLAZE	150	0.50% 1/10W
R348	1-216-049-00	METAL CHIP	1K	5% 1/10W
R349	1-208-826-11	METAL GLAZE	68K	0.50% 1/10W
R350	1-216-081-00	METAL CHIP	22K	5% 1/10W
R351	1-216-041-00	METAL CHIP	470	5% 1/10W
R352	1-216-033-00	METAL CHIP	220	5% 1/10W
R353	1-216-057-00	METAL CHIP	2.2K	5% 1/10W
R354	1-208-788-11	METAL GLAZE	1.8K	0.50% 1/10W
R355	1-208-790-11	METAL GLAZE	2.2K	0.50% 1/10W
R356	1-216-057-00	METAL CHIP	2.2K	5% 1/10W
R357	1-216-041-00	METAL CHIP	470	5% 1/10W

Ref. No.	Part No.	Description		Remark
R358	1-216-041-00	METAL CHIP	470	5% 1/10W
R359	1-216-025-00	METAL CHIP	100	5% 1/10W
R360	1-216-001-00	METAL CHIP	10	5% 1/10W
R361	1-216-001-00	METAL CHIP	10	5% 1/10W
R362	1-216-025-00	METAL CHIP	100	5% 1/10W
R363	1-208-762-11	METAL GLAZE	150	0.50% 1/10W
R364	1-216-049-00	METAL CHIP	1K	5% 1/10W
R365	1-208-826-11	METAL GLAZE	68K	0.50% 1/10W
R366	1-216-081-00	METAL CHIP	22K	5% 1/10W
R367	1-216-041-00	METAL CHIP	470	5% 1/10W
R368	1-216-033-00	METAL CHIP	220	5% 1/10W
R369	1-216-057-00	METAL CHIP	2.2K	5% 1/10W
R370	1-208-788-11	METAL GLAZE	1.8K	0.50% 1/10W
R371	1-208-790-11	METAL GLAZE	2.2K	0.50% 1/10W
R372	1-216-057-00	METAL CHIP	2.2K	5% 1/10W
R373	1-216-041-00	METAL CHIP	470	5% 1/10W
R374	1-216-041-00	METAL CHIP	470	5% 1/10W
R375	1-216-025-00	METAL CHIP	100	5% 1/10W
R376	1-216-001-00	METAL CHIP	10	5% 1/10W
R377	1-216-001-00	METAL CHIP	10	5% 1/10W
R378	1-216-025-00	METAL CHIP	100	5% 1/10W
R379	1-208-762-11	METAL GLAZE	150	0.50% 1/10W
R380	1-216-049-00	METAL CHIP	1K	5% 1/10W
R381	1-208-826-11	METAL GLAZE	68K	0.50% 1/10W
R382	1-216-081-00	METAL CHIP	22K	5% 1/10W
R383	1-216-041-00	METAL CHIP	470	5% 1/10W
R384	1-216-033-00	METAL CHIP	220	5% 1/10W
R385	1-216-057-00	METAL CHIP	2.2K	5% 1/10W
R386	1-208-788-11	METAL GLAZE	1.8K	0.50% 1/10W
R387	1-208-790-11	METAL GLAZE	2.2K	0.50% 1/10W
R388	1-216-057-00	METAL CHIP	2.2K	5% 1/10W
R389	1-216-041-00	METAL CHIP	470	5% 1/10W
R390	1-216-041-00	METAL CHIP	470	5% 1/10W
R391	1-216-025-00	METAL CHIP	100	5% 1/10W
R392	1-216-001-00	METAL CHIP	10	5% 1/10W
R393	1-216-001-00	METAL CHIP	10	5% 1/10W
R394	1-216-025-00	METAL CHIP	100	5% 1/10W
R395	1-208-762-11	METAL GLAZE	150	0.50% 1/10W
R396	1-216-049-00	METAL CHIP	1K	5% 1/10W
R397	1-216-027-00	METAL CHIP	120	5% 1/10W
R398	1-216-027-00	METAL CHIP	120	5% 1/10W
R401	1-216-041-00	METAL CHIP	470	5% 1/10W
R402	1-216-049-00	METAL CHIP	1K	5% 1/10W
R403	1-216-049-00	METAL CHIP	1K	5% 1/10W
R404	1-216-081-00	METAL CHIP	22K	5% 1/10W
R405	1-216-081-00	METAL CHIP	22K	5% 1/10W
R406	1-216-041-00	METAL CHIP	470	5% 1/10W
R407	1-216-057-00	METAL CHIP	2.2K	5% 1/10W
R408	1-216-049-00	METAL CHIP	1K	5% 1/10W

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R409	1-216-041-00	METAL CHIP	470 5% 1/10W	R458	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W
R410	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W	R459	1-216-073-00	METAL CHIP	10K 5% 1/10W
R411	1-216-073-00	METAL CHIP	10K 5% 1/10W	R460	1-216-065-00	METAL CHIP	4. 7K 5% 1/10W
R412	1-216-041-00	METAL CHIP	470 5% 1/10W	R461	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W
R413	1-216-049-00	METAL CHIP	1K 5% 1/10W	R462	1-216-113-00	METAL CHIP	470K 5% 1/10W
R414	1-216-041-00	METAL CHIP	470 5% 1/10W	R463	1-216-121-00	METAL CHIP	1M 5% 1/10W
R415	1-216-073-00	METAL CHIP	10K 5% 1/10W	R464	1-216-121-00	METAL CHIP	1M 5% 1/10W
R416	1-216-041-00	METAL CHIP	470 5% 1/10W	R465	1-216-049-00	METAL CHIP	1K 5% 1/10W
R417	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W	R466	1-216-049-00	METAL CHIP	1K 5% 1/10W
R418	1-216-041-00	METAL CHIP	470 5% 1/10W	R467	1-216-049-00	METAL CHIP	1K 5% 1/10W
R419	1-216-049-00	METAL CHIP	1K 5% 1/10W	R468	1-216-041-00	METAL CHIP	470 5% 1/10W
R420	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W	R469	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W
R421	1-216-041-00	METAL CHIP	470 5% 1/10W	R470	1-216-095-00	METAL CHIP	82K 5% 1/10W
R422	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W	R471	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W
R423	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R472	1-216-689-11	METAL CHIP	39K 0.5% 1/10W
R424	1-216-073-00	METAL CHIP	10K 5% 1/10W	R473	1-216-065-00	METAL CHIP	4. 7K 5% 1/10W
R425	1-216-049-00	METAL CHIP	1K 5% 1/10W	R474	1-216-041-00	METAL CHIP	470 5% 1/10W
R426	1-216-073-00	METAL CHIP	10K 5% 1/10W	R475	1-216-049-00	METAL CHIP	1K 5% 1/10W
R427	1-216-041-00	METAL CHIP	470 5% 1/10W	R476	1-216-081-00	METAL CHIP	22K 5% 1/10W
R428	1-216-049-00	METAL CHIP	1K 5% 1/10W	R477	1-216-081-00	METAL CHIP	22K 5% 1/10W
R429	1-216-081-00	METAL CHIP	22K 5% 1/10W	R478	1-216-081-00	METAL CHIP	22K 5% 1/10W
R430	1-216-061-00	METAL CHIP	3. 3K 5% 1/10W	R479	1-216-049-00	METAL CHIP	1K 5% 1/10W
R431	1-216-121-00	METAL CHIP	1M 5% 1/10W	R480	1-216-113-00	METAL CHIP	470K 5% 1/10W
R432	1-216-097-00	METAL CHIP	100K 5% 1/10W	R481	1-208-782-11	METAL GLAZE	1K 0. 50% 1/10W
R433	1-216-073-00	METAL CHIP	10K 5% 1/10W	R483	1-208-782-11	METAL GLAZE	1K 0. 50% 1/10W
R434	1-216-073-00	METAL CHIP	10K 5% 1/10W	R484	1-216-053-00	METAL CHIP	1. 5K 5% 1/10W
R435	1-216-065-00	METAL CHIP	4. 7K 5% 1/10W	R485	1-216-097-00	METAL CHIP	100K 5% 1/10W
R436	1-216-025-00	METAL CHIP	100 5% 1/10W	R486	1-216-295-91	METAL GLAZE	0 5% 1/10W
R437	1-216-049-00	METAL CHIP	1K 5% 1/10W	R487	1-216-295-91	METAL GLAZE	0 5% 1/10W
R438	1-216-049-00	METAL CHIP	1K 5% 1/10W	R488	1-216-065-00	METAL CHIP	4. 7K 5% 1/10W
R439	1-216-025-00	METAL CHIP	100 5% 1/10W	R490	1-216-075-00	METAL CHIP	12K 5% 1/10W
R440	1-216-049-00	METAL CHIP	1K 5% 1/10W	R491	1-208-788-11	METAL GLAZE	1. 8K 0. 50% 1/10W (AEP, UK)
R441	1-216-049-00	METAL CHIP	1K 5% 1/10W	R491	1-216-051-00	METAL CHIP	1. 2K 5% 1/10W (US, Canadian)
R442	1-216-025-00	METAL CHIP	100 5% 1/10W	R492	1-208-789-11	METAL GLAZE	2K 0. 50% 1/10W (AEP, UK)
R443	1-216-049-00	METAL CHIP	1K 5% 1/10W	R492	1-216-061-00	METAL CHIP	3. 3K 5% 1/10W (US, Canadian)
R444	1-216-049-00	METAL CHIP	1K 5% 1/10W	R493	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W
R445	1-216-049-00	METAL CHIP	1K 5% 1/10W	R494	1-216-073-00	METAL CHIP	10K 5% 1/10W
R446	1-216-075-00	METAL CHIP	12K 5% 1/10W	R495	1-216-065-00	METAL CHIP	4. 7K 5% 1/10W
R447	1-216-113-00	METAL CHIP	470K 5% 1/10W	R496	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W
R448	1-216-099-00	METAL CHIP	120K 5% 1/10W	R497	1-216-065-00	METAL CHIP	4. 7K 5% 1/10W
R449	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W	R498	1-216-065-00	METAL CHIP	4. 7K 5% 1/10W
R450	1-216-049-00	METAL CHIP	1K 5% 1/10W	R499	1-216-081-00	METAL CHIP	22K 5% 1/10W
R451	1-216-295-91	METAL GLAZE	0 5% 1/10W	R500	1-216-049-00	METAL CHIP	1K 5% 1/10W
R452	1-208-802-11	METAL GLAZE	6. 8K 0. 50% 1/10W	R501	1-216-065-00	METAL CHIP	4. 7K 5% 1/10W
R453	1-216-061-00	METAL CHIP	3. 3K 5% 1/10W	R502	1-216-295-91	METAL GLAZE	0 5% 1/10W
R454	1-216-101-00	METAL CHIP	150K 5% 1/10W				
R455	1-216-065-00	METAL CHIP	4. 7K 5% 1/10W				
R456	1-216-051-00	METAL CHIP	1. 2K 5% 1/10W				
R457	1-216-061-00	METAL CHIP	3. 3K 5% 1/10W				

AV-26P**AV-26U**

Ref. No.	Part No.	Description	Remark
R503	1-216-041-00	METAL CHIP	470 5% 1/10W
R506	1-216-041-00	METAL CHIP	470 5% 1/10W
R507	1-216-041-00	METAL CHIP	470 5% 1/10W
R508	1-216-049-00	METAL CHIP	1K 5% 1/10W
R509	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
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R510	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R511	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R512	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R513	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R514	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R515	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R516	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R517	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R518	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R519	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R520	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R521	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R522	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R523	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R524	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R525	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R526	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R527	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R528	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R529	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R530	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R531	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R532	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R533	1-216-049-00	METAL CHIP	1K 5% 1/10W
R534	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R535	1-216-041-00	METAL CHIP	470 5% 1/10W
R536	1-216-041-00	METAL CHIP	470 5% 1/10W
R537	1-216-049-00	METAL CHIP	1K 5% 1/10W
R538	1-216-049-00	METAL CHIP	1K 5% 1/10W
R539	1-216-041-00	METAL CHIP	470 5% 1/10W
R540	1-216-049-00	METAL CHIP	1K 5% 1/10W
R541	1-216-295-91	METAL GLAZE	0 5% 1/10W
R542	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R543	1-216-041-00	METAL CHIP	470 5% 1/10W
R544	1-216-041-00	METAL CHIP	470 5% 1/10W
R545	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R546	1-216-041-00	METAL CHIP	470 5% 1/10W
R547	1-216-041-00	METAL CHIP	470 5% 1/10W
R548	1-216-049-00	METAL CHIP	1K 5% 1/10W
R549	1-216-295-91	METAL GLAZE	0 5% 1/10W
R550	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R551	1-216-041-00	METAL CHIP	470 5% 1/10W
R552	1-216-049-00	METAL CHIP	1K 5% 1/10W
R553	1-216-049-00	METAL CHIP	1K 5% 1/10W

Ref. No.	Part No.	Description	Remark
R554	1-216-041-00	METAL CHIP	470 5% 1/10W
R555	1-216-073-00	METAL CHIP	10K 5% 1/10W
R556	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
R557	1-216-041-00	METAL CHIP	470 5% 1/10W
R558	1-216-041-00	METAL CHIP	470 5% 1/10W
R559	1-216-073-00	METAL CHIP	10K 5% 1/10W
R560	1-216-049-00	METAL CHIP	1K 5% 1/10W
R561	1-216-073-00	METAL CHIP	10K 5% 1/10W
R562	1-216-041-00	METAL CHIP	470 5% 1/10W
R563	1-216-041-00	METAL CHIP	470 5% 1/10W
R564	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R565	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R566	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R567	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R568	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R569	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R570	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R571	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R572	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R573	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R574	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R575	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R576	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R577	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R578	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R579	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R580	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R581	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R582	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R583	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R584	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R585	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R586	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R587	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W
R588	1-216-041-00	METAL CHIP	470 5% 1/10W
R589	1-216-041-00	METAL CHIP	470 5% 1/10W
R590	1-216-049-00	METAL CHIP	1K 5% 1/10W
R591	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R592	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R593	1-216-041-00	METAL CHIP	470 5% 1/10W
R594	1-216-041-00	METAL CHIP	470 5% 1/10W
R595	1-216-015-00	METAL CHIP	39 5% 1/10W
R596	1-216-073-00	METAL CHIP	10K 5% 1/10W
R597	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
R600	1-216-121-00	METAL CHIP	1M 5% 1/10W
R602	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R603	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R604	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W
R605	1-208-782-11	METAL GLAZE	1K 0.50% 1/10W

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R606	1-216-073-00	METAL CHIP	10K	5%	1/10W	R690	1-208-762-11	METAL GLAZE	150	0.50%	1/10W
R607	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R691	1-208-762-11	METAL GLAZE	150	0.50%	1/10W
R608	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R692	1-208-762-11	METAL GLAZE	150	0.50%	1/10W
R609	1-216-027-00	METAL CHIP	120	5%	1/10W	R704	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R610	1-208-782-11	METAL GLAZE	1K	0.50%	1/10W	R705	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R611	1-208-782-11	METAL GLAZE	1K	0.50%	1/10W	R706	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R612	1-208-782-11	METAL GLAZE	1K	0.50%	1/10W	R707	1-216-041-00	METAL CHIP	470	5%	1/10W
R613	1-208-782-11	METAL GLAZE	1K	0.50%	1/10W	R708	1-216-041-00	METAL CHIP	470	5%	1/10W
R614	1-216-073-00	METAL CHIP	10K	5%	1/10W	R709	1-216-041-00	METAL CHIP	470	5%	1/10W
R615	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R710	1-216-049-00	METAL CHIP	1K	5%	1/10W
R616	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R711	1-216-049-00	METAL CHIP	1K	5%	1/10W
R617	1-216-027-00	METAL CHIP	120	5%	1/10W	R712	1-216-049-00	METAL CHIP	1K	5%	1/10W
R618	1-216-121-00	METAL CHIP	1M	5%	1/10W	R713	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R621	1-216-081-00	METAL CHIP	22K	5%	1/10W	R714	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R622	1-216-081-00	METAL CHIP	22K	5%	1/10W	R715	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R623	1-216-041-00	METAL CHIP	470	5%	1/10W	R716	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R624	1-216-049-00	METAL CHIP	1K	5%	1/10W	R717	1-216-041-00	METAL CHIP	470	5%	1/10W
R625	1-216-049-00	METAL CHIP	1K	5%	1/10W	R718	1-216-077-00	METAL CHIP	15K	5%	1/10W
R626	1-216-081-00	METAL CHIP	22K	5%	1/10W	R719	1-216-073-00	METAL CHIP	10K	5%	1/10W
R627	1-216-081-00	METAL CHIP	22K	5%	1/10W	R720	1-216-041-00	METAL CHIP	470	5%	1/10W
R628	1-216-041-00	METAL CHIP	470	5%	1/10W	R721	1-216-041-00	METAL CHIP	470	5%	1/10W
R629	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R722	1-216-077-00	METAL CHIP	15K	5%	1/10W
R630	1-216-049-00	METAL CHIP	1K	5%	1/10W	R723	1-216-073-00	METAL CHIP	10K	5%	1/10W
R631	1-216-041-00	METAL CHIP	470	5%	1/10W	R724	1-216-041-00	METAL CHIP	470	5%	1/10W
R632	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R725	1-216-041-00	METAL CHIP	470	5%	1/10W
R633	1-216-073-00	METAL CHIP	10K	5%	1/10W	R726	1-216-041-00	METAL CHIP	470	5%	1/10W
R634	1-216-041-00	METAL CHIP	470	5%	1/10W	R727	1-216-041-00	METAL CHIP	470	5%	1/10W
R635	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R728	1-216-049-00	METAL CHIP	1K	5%	1/10W
R636	1-216-081-00	METAL CHIP	22K	5%	1/10W	R729	1-216-049-00	METAL CHIP	1K	5%	1/10W
R637	1-216-081-00	METAL CHIP	22K	5%	1/10W	R730	1-216-049-00	METAL CHIP	1K	5%	1/10W
R638	1-216-041-00	METAL CHIP	470	5%	1/10W	R731	1-216-049-00	METAL CHIP	1K	5%	1/10W
R639	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R732	1-216-049-00	METAL CHIP	1K	5%	1/10W
R640	1-216-081-00	METAL CHIP	22K	5%	1/10W	R733	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R641	1-216-081-00	METAL CHIP	22K	5%	1/10W	R740	1-216-027-00	METAL CHIP	120	5%	1/10W
R642	1-216-041-00	METAL CHIP	470	5%	1/10W	R745	1-208-779-11	METAL GLAZE	750	0.50%	1/10W
R643	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R746	1-216-117-00	METAL CHIP	680K	5%	1/10W
R644	1-216-041-00	METAL CHIP	470	5%	1/10W	R747	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R645	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R748	1-216-021-00	METAL CHIP	68	5%	1/10W
R671	1-216-049-00	METAL CHIP	1K	5%	1/10W	R749	1-216-049-00	METAL CHIP	1K	5%	1/10W
R672	1-216-049-00	METAL CHIP	1K	5%	1/10W	R750	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R681	1-208-762-11	METAL GLAZE	150	0.50%	1/10W	R751	1-216-019-00	METAL CHIP	56	5%	1/10W
R682	1-208-762-11	METAL GLAZE	150	0.50%	1/10W	R752	1-216-049-00	METAL CHIP	1K	5%	1/10W
R683	1-208-762-11	METAL GLAZE	150	0.50%	1/10W	R753	1-216-073-00	METAL CHIP	10K	5%	1/10W
R684	1-208-762-11	METAL GLAZE	150	0.50%	1/10W	R754	1-216-049-00	METAL CHIP	1K	5%	1/10W
R685	1-208-762-11	METAL GLAZE	150	0.50%	1/10W	R755	1-216-085-00	METAL CHIP	33K	5%	1/10W
R686	1-208-762-11	METAL GLAZE	150	0.50%	1/10W	R756	1-216-085-00	METAL CHIP	33K	5%	1/10W
R687	1-208-762-11	METAL GLAZE	150	0.50%	1/10W	R757	1-216-085-00	METAL CHIP	33K	5%	1/10W
R688	1-208-762-11	METAL GLAZE	150	0.50%	1/10W	R758	1-216-073-00	METAL CHIP	10K	5%	1/10W
R689	1-208-762-11	METAL GLAZE	150	0.50%	1/10W	R759	1-216-049-00	METAL CHIP	1K	5%	1/10W

AV-26P**AV-26U**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R771	1-208-801-11	METAL GLAZE	6.2K 0.50% 1/10W	R837	1-216-041-00	METAL CHIP	470 5% 1/10W
R772	1-216-073-00	METAL CHIP	10K 5% 1/10W	R838	1-216-073-00	METAL CHIP	10K 5% 1/10W
R776	1-216-085-00	METAL CHIP	33K 5% 1/10W	R839	1-216-041-00	METAL CHIP	470 5% 1/10W
R777	1-216-689-11	METAL CHIP	39K 0.5% 1/10W	R840	1-216-073-00	METAL CHIP	10K 5% 1/10W
R778	1-216-295-91	METAL GLAZE	0 5% 1/10W	R841	1-216-121-00	METAL CHIP	1M 5% 1/10W
			:				
R779	1-216-295-91	METAL GLAZE	0 5% 1/10W	R842	1-216-033-00	METAL CHIP	220 5% 1/10W
R781	1-216-065-00	METAL CHIP	4.7K 5% 1/10W	R843	1-216-033-00	METAL CHIP	220 5% 1/10W
R782	1-216-065-00	METAL CHIP	4.7K 5% 1/10W	R847	1-216-073-00	METAL CHIP	10K 5% 1/10W
R783	1-216-065-00	METAL CHIP	4.7K 5% 1/10W	R848	1-216-073-00	METAL CHIP	10K 5% 1/10W
R791	1-216-073-00	METAL CHIP	10K 5% 1/10W	R849	1-216-073-00	METAL CHIP	10K 5% 1/10W
R792	1-216-073-00	METAL CHIP	10K 5% 1/10W	R850	1-216-073-00	METAL CHIP	10K 5% 1/10W
R794	1-216-097-00	METAL CHIP	100K 5% 1/10W	R851	1-216-073-00	METAL CHIP	10K 5% 1/10W
R795	1-216-295-91	METAL GLAZE (US, Canadian)	0 5% 1/10W	R852	1-216-073-00	METAL CHIP	10K 5% 1/10W
R797	1-208-789-11	METAL GLAZE	2K 0.50% 1/10W	R853	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R798	1-216-073-00	METAL CHIP	10K 5% 1/10W	R854	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R799	1-216-073-00	METAL CHIP	10K 5% 1/10W	R855	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R800	1-216-073-00	METAL CHIP	10K 5% 1/10W	R856	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R801	1-216-065-00	METAL CHIP	4.7K 5% 1/10W	R857	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R802	1-216-073-00	METAL CHIP	10K 5% 1/10W	R858	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R803	1-216-073-00	METAL CHIP	10K 5% 1/10W	R861	1-216-073-00	METAL CHIP	10K 5% 1/10W
R804	1-216-073-00	METAL CHIP	10K 5% 1/10W	R862	1-216-073-00	METAL CHIP	10K 5% 1/10W
R805	1-216-073-00	METAL CHIP	10K 5% 1/10W	R863	1-216-073-00	METAL CHIP	10K 5% 1/10W
R806	1-216-073-00	METAL CHIP	10K 5% 1/10W	R866	1-216-073-00	METAL CHIP	10K 5% 1/10W
R807	1-216-073-00	METAL CHIP	10K 5% 1/10W	R867	1-216-073-00	METAL CHIP	10K 5% 1/10W
R808	1-216-073-00	METAL CHIP	10K 5% 1/10W	R868	1-216-073-00	METAL CHIP	10K 5% 1/10W
R809	1-216-073-00	METAL CHIP	10K 5% 1/10W	R870	1-216-295-91	METAL GLAZE	0 5% 1/10W
R810	1-216-073-00	METAL CHIP	10K 5% 1/10W	R871	1-216-295-91	METAL GLAZE (AEP, UK)	0 5% 1/10W
R811	1-216-073-00	METAL CHIP	10K 5% 1/10W	R872	1-216-295-91	METAL GLAZE	0 5% 1/10W
R812	1-216-073-00	METAL CHIP	10K 5% 1/10W	R874	1-216-041-00	METAL CHIP	470 5% 1/10W
R813	1-216-073-00	METAL CHIP	10K 5% 1/10W	R875	1-216-041-00	METAL CHIP	470 5% 1/10W
R814	1-216-073-00	METAL CHIP	10K 5% 1/10W	R878	1-216-073-00	METAL CHIP	10K 5% 1/10W
R820	1-216-049-00	METAL CHIP	1K 5% 1/10W	R879	1-216-073-00	METAL CHIP	10K 5% 1/10W
R821	1-216-073-00	METAL CHIP	10K 5% 1/10W	R880	1-216-073-00	METAL CHIP	10K 5% 1/10W
R822	1-216-097-00	METAL CHIP	100K 5% 1/10W	R881	1-216-025-00	METAL CHIP	100 5% 1/10W
R823	1-216-085-00	METAL CHIP	33K 5% 1/10W	R882	1-216-041-00	METAL CHIP	470 5% 1/10W
R824	1-216-073-00	METAL CHIP	10K 5% 1/10W	R883	1-208-786-11	METAL GLAZE	1.5K 0.50% 1/10W
R825	1-216-073-00	METAL CHIP	10K 5% 1/10W	R884	1-216-025-00	METAL CHIP	100 5% 1/10W
R826	1-216-073-00	METAL CHIP	10K 5% 1/10W	R885	1-216-049-00	METAL CHIP	1K 5% 1/10W
R827	1-216-073-00	METAL CHIP	10K 5% 1/10W	R886	1-208-786-11	METAL GLAZE	1.5K 0.50% 1/10W
R828	1-216-073-00	METAL CHIP	10K 5% 1/10W	R887	1-216-025-00	METAL CHIP	100 5% 1/10W
R829	1-216-073-00	METAL CHIP	10K 5% 1/10W	R888	1-208-786-11	METAL GLAZE	1.5K 0.50% 1/10W
R830	1-216-073-00	METAL CHIP	10K 5% 1/10W	R889	1-216-041-00	METAL CHIP	470 5% 1/10W
R831	1-216-073-00	METAL CHIP	10K 5% 1/10W	R890	1-216-073-00	METAL CHIP	10K 5% 1/10W
R832	1-216-073-00	METAL CHIP	10K 5% 1/10W	R891	1-216-025-00	METAL CHIP	100 5% 1/10W
R833	1-216-073-00	METAL CHIP	10K 5% 1/10W	R892	1-208-786-11	METAL GLAZE	1.5K 0.50% 1/10W
R834	1-216-073-00	METAL CHIP	10K 5% 1/10W	R893	1-216-041-00	METAL CHIP	470 5% 1/10W
R835	1-216-073-00	METAL CHIP	10K 5% 1/10W	R894	1-216-073-00	METAL CHIP	10K 5% 1/10W
R836	1-216-073-00	METAL CHIP	10K 5% 1/10W	R895	1-216-049-00	METAL CHIP	1K 5% 1/10W

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R896	1-216-049-00	METAL CHIP	1K 5% 1/10W	R947	1-208-762-11	METAL GLAZE	150 0.50% 1/10W
R897	1-216-049-00	METAL CHIP	1K 5% 1/10W	R948	1-216-049-00	METAL CHIP	1K 5% 1/10W
R898	1-216-049-00	METAL CHIP	1K 5% 1/10W	R949	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R901	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W	R950	1-216-081-00	METAL CHIP	22K 5% 1/10W
R902	1-216-081-00	METAL CHIP	22K 5% 1/10W	R951	1-216-041-00	METAL CHIP	470 5% 1/10W
R903	1-216-041-00	METAL CHIP	470 5% 1/10W	R952	1-216-033-00	METAL CHIP	220 5% 1/10W
R904	1-216-033-00	METAL CHIP	220 5% 1/10W	R953	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
R905	1-216-057-00	METAL CHIP	2.2K 5% 1/10W	R954	1-208-788-11	METAL GLAZE	1.8K 0.50% 1/10W
R906	1-208-788-11	METAL GLAZE	1.8K 0.50% 1/10W	R955	1-208-790-11	METAL GLAZE	2.2K 0.50% 1/10W
R907	1-208-790-11	METAL GLAZE	2.2K 0.50% 1/10W	R956	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
R908	1-216-057-00	METAL CHIP	2.2K 5% 1/10W	R957	1-216-041-00	METAL CHIP	470 5% 1/10W
R909	1-216-041-00	METAL CHIP	470 5% 1/10W	R958	1-216-041-00	METAL CHIP	470 5% 1/10W
R910	1-216-041-00	METAL CHIP	470 5% 1/10W	R959	1-216-025-00	METAL CHIP	100 5% 1/10W
R911	1-216-025-00	METAL CHIP	100 5% 1/10W	R960	1-216-001-00	METAL CHIP	10 5% 1/10W
R912	1-216-001-00	METAL CHIP	10 5% 1/10W	R961	1-216-001-00	METAL CHIP	10 5% 1/10W
R913	1-216-001-00	METAL CHIP	10 5% 1/10W	R962	1-216-025-00	METAL CHIP	100 5% 1/10W
R914	1-216-025-00	METAL CHIP	100 5% 1/10W	R963	1-208-762-11	METAL GLAZE	150 0.50% 1/10W
R915	1-208-762-11	METAL GLAZE	150 0.50% 1/10W	R964	1-216-049-00	METAL CHIP	1K 5% 1/10W
R916	1-216-049-00	METAL CHIP	1K 5% 1/10W	R965	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R917	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W	R966	1-216-081-00	METAL CHIP	22K 5% 1/10W
R918	1-216-081-00	METAL CHIP	22K 5% 1/10W	R967	1-216-041-00	METAL CHIP	470 5% 1/10W
R919	1-216-041-00	METAL CHIP	470 5% 1/10W	R968	1-216-033-00	METAL CHIP	220 5% 1/10W
R920	1-216-033-00	METAL CHIP	220 5% 1/10W	R969	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
R921	1-216-057-00	METAL CHIP	2.2K 5% 1/10W	R970	1-208-788-11	METAL GLAZE	1.8K 0.50% 1/10W
R922	1-208-788-11	METAL GLAZE	1.8K 0.50% 1/10W	R971	1-208-790-11	METAL GLAZE	2.2K 0.50% 1/10W
R923	1-208-790-11	METAL GLAZE	2.2K 0.50% 1/10W	R972	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
R924	1-216-057-00	METAL CHIP	2.2K 5% 1/10W	R973	1-216-041-00	METAL CHIP	470 5% 1/10W
R925	1-216-041-00	METAL CHIP	470 5% 1/10W	R974	1-216-041-00	METAL CHIP	470 5% 1/10W
R926	1-216-041-00	METAL CHIP	470 5% 1/10W	R975	1-216-025-00	METAL CHIP	100 5% 1/10W
R927	1-216-025-00	METAL CHIP	100 5% 1/10W	R976	1-216-001-00	METAL CHIP	10 5% 1/10W
R928	1-216-001-00	METAL CHIP	10 5% 1/10W	R977	1-216-001-00	METAL CHIP	10 5% 1/10W
R929	1-216-001-00	METAL CHIP	10 5% 1/10W	R978	1-216-025-00	METAL CHIP	100 5% 1/10W
R930	1-216-025-00	METAL CHIP	100 5% 1/10W	R979	1-208-762-11	METAL GLAZE	150 0.50% 1/10W
R931	1-208-762-11	METAL GLAZE	150 0.50% 1/10W	R980	1-216-049-00	METAL CHIP	1K 5% 1/10W
R932	1-216-049-00	METAL CHIP	1K 5% 1/10W	R981	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W
R933	1-208-826-11	METAL GLAZE	68K 0.50% 1/10W	R982	1-216-081-00	METAL CHIP	22K 5% 1/10W
R934	1-216-081-00	METAL CHIP	22K 5% 1/10W	R983	1-216-041-00	METAL CHIP	470 5% 1/10W
R935	1-216-041-00	METAL CHIP	470 5% 1/10W	R984	1-216-033-00	METAL CHIP	220 5% 1/10W
R936	1-216-033-00	METAL CHIP	220 5% 1/10W	R985	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
R937	1-216-057-00	METAL CHIP	2.2K 5% 1/10W	R986	1-208-788-11	METAL GLAZE	1.8K 0.50% 1/10W
R938	1-208-788-11	METAL GLAZE	1.8K 0.50% 1/10W	R987	1-208-790-11	METAL GLAZE	2.2K 0.50% 1/10W
R939	1-208-790-11	METAL GLAZE	2.2K 0.50% 1/10W	R988	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
R940	1-216-057-00	METAL CHIP	2.2K 5% 1/10W	R989	1-216-041-00	METAL CHIP	470 5% 1/10W
R941	1-216-041-00	METAL CHIP	470 5% 1/10W	R990	1-216-041-00	METAL CHIP	470 5% 1/10W
R942	1-216-041-00	METAL CHIP	470 5% 1/10W	R991	1-216-025-00	METAL CHIP	100 5% 1/10W
R943	1-216-025-00	METAL CHIP	100 5% 1/10W	R992	1-216-001-00	METAL CHIP	10 5% 1/10W
R944	1-216-001-00	METAL CHIP	10 5% 1/10W	R993	1-216-001-00	METAL CHIP	10 5% 1/10W
R945	1-216-001-00	METAL CHIP	10 5% 1/10W	R994	1-216-025-00	METAL CHIP	100 5% 1/10W
R946	1-216-025-00	METAL CHIP	100 5% 1/10W	R995	1-208-762-11	METAL GLAZE	150 0.50% 1/10W

AV-26P**AV-26U****CM-42**

Ref. No.	Part No.	Description	Remark		
R996	1-216-049-00	METAL CHIP	1K	5%	1/10W
R997	1-216-027-00	METAL CHIP	120	5%	1/10W
R998	1-216-027-00	METAL CHIP	120	5%	1/10W
R999	1-216-073-00	METAL CHIP	10K	5%	1/10W

< VARIABLE RESISTOR >

RV451	1-241-594-11	RES, ADJ, METAL GRAZE 10K
RV471	1-241-594-11	RES, ADJ, METAL GRAZE 10K (US, CND)
RV501	1-241-592-11	RES, ADJ, METAL GRAZE 2.2K
RV701	1-241-591-11	RES, ADJ, METAL GRAZE 1K

< TEST PIN >

TP060	1-535-757-11	CHIP, CHECKER (AEP, UK)
TP411	1-535-757-11	CHIP, CHECKER
TP741	1-535-757-11	CHIP, CHECKER
TP801	1-535-757-11	CHIP, CHECKER
TP802	1-535-757-11	CHIP, CHECKER
TP803	1-535-757-11	CHIP, CHECKER
TP804	1-535-757-11	CHIP, CHECKER

< VIBRATOR >

X050	1-579-738-21	VIBRATOR, CRYSTAL (14. 32MHz) (US, Canadian)
X060	1-579-780-21	VIBRATOR, CRYSTAL (17. 73MHz) (AEP, UK)
X061	1-579-519-21	VIBRATOR, CRYSTAL (14. 20MHz) (AEP, UK)
X471	1-579-780-21	VIBRATOR, CRYSTAL (17. 73MHz) (AEP, UK)
X471	1-579-738-21	VIBRATOR, CRYSTAL (14. 32MHz) (US, Canadian)
X801	1-567-132-00	OSCILLATOR, CERAMIC (8. 00MHz)
X802	1-567-132-00	OSCILLATOR, CERAMIC (8. 00MHz)
X803	1-577-082-11	VIBRATOR, CERAMIC (4MHz)
X900	1-577-082-11	VIBRATOR, CERAMIC (4MHz)

* A-7063-867-A CM-42 BOARD, COMPLETE

(Ref. No. 4,000 series)

< BUZZER >

BZ001	1-529-070-11	BUZZER
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< CAPACITOR >

C001	1-124-589-11	ELECT	47uF	20%	16V
C002	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C003	1-124-584-00	ELECT	100uF	20%	10V
C004	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C010	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C011	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C012	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C013	1-163-038-00	CERAMIC CHIP	0.1uF		25V

Ref. No.	Part No.	Description	Remark		
C014	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C015	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C100	1-163-038-00	CERAMIC CHIP	0.1uF		25V

< CONNECTOR >

CN001	1-506-487-11	PIN, CONNECTOR 8P
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< DIODE >

D001	8-719-106-43	DIODE	RD9. 1M-B1
D002	8-719-157-33	DIODE	RD6. 2M-B
D003	8-719-800-76	DIODE	1SS226
D004	8-719-800-76	DIODE	1SS226
D005	8-719-800-76	DIODE	1SS226
D006	8-719-800-76	DIODE	1SS226
D007	8-719-157-33	DIODE	RD6. 2M-B
D008	8-719-157-33	DIODE	RD6. 2M-B
D010	8-719-970-40	LED	GL1EG11 (POWER)
D012	8-719-970-40	LED	GL1EG11 (POWER)
D090	8-719-157-33	DIODE	RD6. 2M-B
D091	8-719-157-33	DIODE	RD6. 2M-B
D100	8-719-047-23	LED	LT3S43P (PROCESSOR)
D101	8-719-047-23	LED	LT3S43P (DISPLAY)
D102	8-719-047-23	LED	LT3S43P (CINEMA)
D103	8-719-047-23	LED	LT3S43P (MONOTONE)
D104	8-719-047-23	LED	LT3S43P (WHITE)
D105	8-719-047-23	LED	LT3S43P (BLACK)
D106	8-719-970-91	LED	GL1HS112 (PLAYER 3)
D107	8-719-970-91	LED	GL1HS112 (PLAYER 2)
D108	8-719-970-91	LED	GL1HS112 (PLAYER 1)
D109	8-719-970-91	LED	GL1HS112 (RECODER)
D110	8-719-047-23	LED	LT3S43P (PREVIEW)
D111	8-719-047-23	LED	LT3S43P (PREVIEW)
D112	8-719-047-23	LED	LT3S43P (PREVIEW)
D113	8-719-047-23	LED	LT3S43P (PREVIEW)
D114	8-719-047-23	LED	LT3S43P (1 EVENT PREVIEW)
D115	8-719-047-23	LED	LT3S43P (1 EVENT PREVIEW)
D116	8-719-047-23	LED	LT3S43P (1 EVENT PREVIEW)
D117	8-719-047-23	LED	LT3S43P (1 EVENT PREVIEW)
D118	8-719-047-23	LED	LT3S43P (GO TO)
D119	8-719-047-23	LED	LT3S43P (GO TO)
D120	8-719-047-23	LED	LT3S43P (GO TO)
D121	8-719-047-23	LED	LT3S43P (GO TO)
D122	8-719-047-23	LED	LT3S43P (EDIT START)
D123	8-719-047-23	LED	LT3S43P (EDIT START)
D124	8-719-047-23	LED	LT3S43P (EDIT START)
D125	8-719-047-23	LED	LT3S43P (EDIT START)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< FERRITE BEAD >							
FB002	1-543-813-21	FILTER, EMI		R009	1-216-041-00	METAL CHIP	470 5% 1/10W
FB003	1-543-813-21	FILTER, EMI		R010	1-216-025-00	METAL CHIP	100 5% 1/10W
FB004	1-543-813-21	FILTER, EMI		R012	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
FB005	1-543-813-21	FILTER, EMI		R013	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
FB006	1-543-813-21	FILTER, EMI		R016	1-216-089-91	METAL GLAZE	47K 5% 1/10W
FB007	1-543-813-21	FILTER, EMI		R017	1-216-089-91	METAL GLAZE	47K 5% 1/10W
< IC >							
IC001	8-759-157-17	IC PQ05SZ1U (REG)		R018	1-216-089-91	METAL GLAZE	47K 5% 1/10W
IC003	8-759-636-56	IC M66311FP (S-P CONV.)		R019	1-216-089-91	METAL GLAZE	47K 5% 1/10W
IC004	8-759-032-01	IC MC74HC00AF (NAND)		R021	1-216-089-91	METAL GLAZE	47K 5% 1/10W
IC014	8-759-253-14	IC MB89131-165 (CONTROL MICOM)		R023	1-216-089-91	METAL GLAZE	47K 5% 1/10W
IC015	8-759-937-56	IC S-8054ALB-LM-S (RESET)		R024	1-216-089-91	METAL GLAZE	47K 5% 1/10W
< ROTARY SWITCH >							
JG001	1-572-711-11	SWITCH, ROTARY (ENCODER) (REVIRSE/FORWARD)		R025	1-216-089-91	METAL GLAZE	47K 5% 1/10W
< TRANSISTOR >							
Q001	8-729-140-47	TRANSISTOR 2SC3735-L-B35		R032	1-216-033-00	METAL CHIP	220 5% 1/10W
Q004	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R034	1-216-033-00	METAL CHIP	220 5% 1/10W
Q005	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R038	1-216-073-00	METAL CHIP	10K 5% 1/10W
Q006	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R039	1-216-073-00	METAL CHIP	10K 5% 1/10W
Q007	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R040	1-216-103-91	METAL GLAZE	180K 5% 1/10W
Q008	8-729-901-01	TRANSISTOR DTC144EK		R041	1-216-103-91	METAL GLAZE	180K 5% 1/10W
Q100	8-729-901-47	TRANSISTOR DTA143EK		R042	1-216-085-00	METAL CHIP	33K 5% 1/10W
Q101	8-729-901-47	TRANSISTOR DTA143EK		R043	1-216-045-00	METAL CHIP	680 5% 1/10W
Q102	8-729-901-47	TRANSISTOR DTA143EK		R044	1-216-089-91	METAL GLAZE	47K 5% 1/10W
Q103	8-729-901-47	TRANSISTOR DTA143EK		R045	1-216-089-91	METAL GLAZE	47K 5% 1/10W
Q104	8-729-901-01	TRANSISTOR DTC144EK		R046	1-216-049-00	METAL CHIP	1K 5% 1/10W
Q105	8-729-901-01	TRANSISTOR DTC144EK		R047	1-216-085-00	METAL CHIP	33K 5% 1/10W
Q106	8-729-901-01	TRANSISTOR DTC144EK		R048	1-216-085-00	METAL CHIP	33K 5% 1/10W
Q107	8-729-901-01	TRANSISTOR DTC144EK		R049	1-216-085-00	METAL CHIP	33K 5% 1/10W
Q108	8-729-901-01	TRANSISTOR DTC144EK		R050	1-216-051-00	METAL CHIP	1.2K 5% 1/10W
Q109	8-729-901-01	TRANSISTOR DTC144EK		R051	1-216-051-00	METAL CHIP	1.2K 5% 1/10W
Q110	8-729-901-01	TRANSISTOR DTC144EK		R052	1-216-085-00	METAL CHIP	33K 5% 1/10W
Q111	8-729-901-01	TRANSISTOR DTC144EK		R091	1-216-073-00	METAL CHIP	10K 5% 1/10W
< RESISTOR >							
R001	1-216-053-00	METAL CHIP 1.5K 5% 1/10W		R092	1-216-073-00	METAL CHIP	10K 5% 1/10W
R002	1-216-025-00	METAL CHIP 100 5% 1/10W		R093	1-216-073-00	METAL CHIP	10K 5% 1/10W
R003	1-216-049-00	METAL CHIP 1K 5% 1/10W		R094	1-216-073-00	METAL CHIP	10K 5% 1/10W
R004	1-216-025-00	METAL CHIP 100 5% 1/10W		R095	1-216-073-00	METAL CHIP	10K 5% 1/10W
R005	1-216-049-00	METAL CHIP 1K 5% 1/10W		R096	1-216-073-00	METAL CHIP	10K 5% 1/10W
R006	1-216-053-00	METAL CHIP 1.5K 5% 1/10W		R100	1-216-085-00	METAL CHIP	33K 5% 1/10W
R007	1-216-073-00	METAL CHIP 10K 5% 1/10W		R101	1-216-049-00	METAL CHIP	1K 5% 1/10W
R008	1-216-025-00	METAL CHIP 100 5% 1/10W		R102	1-216-029-00	METAL CHIP	150 5% 1/10W
				R103	1-216-029-00	METAL CHIP	150 5% 1/10W
				R104	1-216-029-00	METAL CHIP	150 5% 1/10W
				R105	1-216-029-00	METAL CHIP	150 5% 1/10W
				R106	1-216-029-00	METAL CHIP	150 5% 1/10W
				R107	1-216-029-00	METAL CHIP	150 5% 1/10W
				R108	1-216-029-00	METAL CHIP	150 5% 1/10W
				R109	1-216-029-00	METAL CHIP	150 5% 1/10W
				R110	1-216-029-00	METAL CHIP	150 5% 1/10W
				R111	1-216-029-00	METAL CHIP	150 5% 1/10W
				R112	1-216-029-00	METAL CHIP	150 5% 1/10W
				R113	1-216-029-00	METAL CHIP	150 5% 1/10W

CM-42**EI-2****EI-2P**

Ref. No.	Part No.	Description	Remark
R114	1-216-029-00	METAL CHIP	150 5% 1/10W
R115	1-216-029-00	METAL CHIP	150 5% 1/10W
R116	1-216-029-00	METAL CHIP	150 5% 1/10W
R117	1-216-029-00	METAL CHIP	150 5% 1/10W
R118	1-216-029-00	METAL CHIP	150 5% 1/10W
			:
R119	1-216-029-00	METAL CHIP	150 5% 1/10W
R120	1-216-029-00	METAL CHIP	150 5% 1/10W
R121	1-216-029-00	METAL CHIP	150 5% 1/10W
R122	1-216-029-00	METAL CHIP	150 5% 1/10W
R123	1-216-029-00	METAL CHIP	150 5% 1/10W
R124	1-216-029-00	METAL CHIP	150 5% 1/10W
R125	1-216-029-00	METAL CHIP	150 5% 1/10W
R126	1-216-029-00	METAL CHIP	150 5% 1/10W
R127	1-216-029-00	METAL CHIP	150 5% 1/10W
< VARIABLE RESISTOR >			
RV010	1-230-070-21	RES, VAR, SLIDE 10K (MIC LEVEL)	
RV011	1-230-070-21	RES, VAR, SLIDE 10K (AUDIO MIX)	
RV012	1-230-070-21	RES, VAR, SLIDE 10K (AUDIO/FADER)	
RV013	1-230-070-21	RES, VAR, SLIDE 10K (VIDEO/FADER)	
< SWITCH >			
S001	1-572-596-11	SWITCH, KEY BOARD (PLAYER 1)	
S002	1-572-596-11	SWITCH, KEY BOARD (PLAYER 2)	
S003	1-572-596-11	SWITCH, KEY BOARD (PLAYER 3)	
S004	1-572-596-11	SWITCH, KEY BOARD (RECODER)	
S005	1-571-977-11	SWITCH, TACTIL (DISPLAY ON/OFF)	
S007	1-571-977-11	SWITCH, TACTIL (PROCESSOR ON/OFF)	
S008	1-571-977-11	SWITCH, TACTIL (DEL)	
S009	1-571-977-11	SWITCH, TACTIL (FRAME)	
S010	1-571-977-11	SWITCH, TACTIL (SLOW)	
S011	1-571-977-11	SWITCH, TACTIL (WHITE)	
S012	1-571-977-11	SWITCH, TACTIL (BLACK)	
S013	1-571-977-11	SWITCH, TACTIL (MONOTONE)	
S014	1-571-977-11	SWITCH, TACTIL (CINEMA)	
S017	1-571-977-11	SWITCH, TACTIL (POWER ON/OFF)	
S018	1-571-977-11	SWITCH, TACTIL (PAUSE)	
S019	1-571-977-11	SWITCH, TACTIL (STOP)	
S020	1-571-977-11	SWITCH, TACTIL (PLAY)	
S021	1-571-977-11	SWITCH, TACTIL (FF)	
S022	1-571-977-11	SWITCH, TACTIL (REW)	
S023	1-571-977-11	SWITCH, TACTIL (REC)	
S024	1-571-977-11	SWITCH, TACTIL (COUNTER RESET)	
S025	1-571-977-11	SWITCH, TACTIL (X2)	
S026	1-572-596-11	SWITCH, KEY BOARD (PREVIEW)	
S027	1-572-596-11	SWITCH, KEY BOARD (1 EVENT PREVIEW)	
S028	1-572-596-11	SWITCH, KEY BOARD (GO TO)	
S029	1-572-596-11	SWITCH, KEY BOARD (EDIT START)	
S030	1-571-977-11	SWITCH, TACTIL (CANCEL)	

Ref. No.	Part No.	Description	Remark
S034	1-571-977-11	SWITCH, TACTIL (GPI)	
S035	1-571-977-11	SWITCH, TACTIL (EDIT I/F)	
S036	1-571-977-11	SWITCH, TACTIL (MARK IN)	
S037	1-571-977-11	SWITCH, TACTIL (MARK OUT)	
S038	1-571-977-11	SWITCH, TACTIL (↔)	
S039	1-571-977-11	SWITCH, TACTIL (→)	
S040	1-571-977-11	SWITCH, TACTIL (↑)	
S041	1-571-977-11	SWITCH, TACTIL (↓)	
S042	1-571-977-11	SWITCH, TACTIL (MENU)	
S043	1-571-977-11	SWITCH, TACTIL (EDIT LIST)	
S044	1-571-977-11	SWITCH, TACTIL (EVENT DATA)	
S045	1-571-977-11	SWITCH, TACTIL (MOVE SEL)	
S046	1-571-977-11	SWITCH, TACTIL (MOVE END)	
S047	1-571-977-11	SWITCH, TACTIL (COPY)	
S048	1-571-977-11	SWITCH, TACTIL (YES)	
S049	1-571-977-11	SWITCH, TACTIL (NO)	

< VIBRATOR >

X001	1-577-101-11	VIBRATOR, CERAMIC (4.19MHz)
X002	1-579-049-21	VIBRATOR, CRYSTAL (32.768MHz)

* A-7071-954-A EI-2 BOARD, COMPLETE (US, Canadian)

* A-7072-020-A EI-2P BOARD, COMPLETE (AEP, UK)

(Ref. No. 3,000 series)

< FERRITE BEAD >

FB191	1-543-775-11	FILTER, EMI
FB192	1-543-775-11	FILTER, EMI
FB193	1-543-775-11	FILTER, EMI
FB194	1-543-775-11	FILTER, EMI

< JACK >

* J190 1-764-434-11 CONNECTOR (ROUND TYPE) 8P (EDIT I/F OUT)

FD-51

FL-59P

FL-59U

Ref. No.	Part No.	Description	Remark		
*	A-7066-030-A	FD-51 BOARD, COMPLETE	***** (Ref. No 4,000 series)		
	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S			
	7-682-547-09	SCREW +BVTT 3X6 (S)			
		< CAPACITOR >			
C701	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C702	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C703	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C704	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C705	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C706	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C707	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C708	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C709	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C710	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C711	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C712	1-163-038-00	CERAMIC CHIP	0.1uF		25V
		< DIODE >			
D701	8-719-157-33	DIODE	RD6.2M-B		
D702	8-719-157-33	DIODE	RD6.2M-B		
		< IC >			
IC701	8-752-855-40	IC	CXP80116-892Q (FD MICO)		
IC702	8-759-143-35	IC	uPD72067GC-3B6 (FDC)		
IC703	8-759-032-43	IC	MC74HC157AF-T2 (SELECTOR)		
IC704	8-759-032-11	IC	MC74HC04AF (INV)		
IC705	8-759-973-29	IC	SN7438NS-T2 (NAND)		
IC706	8-759-929-86	IC	SN74LS14NS (INV)		
IC707	8-759-987-84	IC	SN7406NS (INV)		
		< COIL >			
L701	1-543-813-21	FILTER, EMI			
L702	1-543-813-21	FILTER, EMI			
		< RESISTOR >			
R701	1-216-073-00	METAL CHIP	10K	5%	1/10W
R702	1-216-073-00	METAL CHIP	10K	5%	1/10W
R703	1-216-073-00	METAL CHIP	10K	5%	1/10W
R704	1-216-073-00	METAL CHIP	10K	5%	1/10W
R705	1-216-073-00	METAL CHIP	10K	5%	1/10W
R706	1-216-073-00	METAL CHIP	10K	5%	1/10W
R707	1-216-073-00	METAL CHIP	10K	5%	1/10W
R708	1-216-073-00	METAL CHIP	10K	5%	1/10W
R709	1-216-073-00	METAL CHIP	10K	5%	1/10W
R710	1-216-073-00	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description	Remark		
R711	1-216-073-00	METAL CHIP	10K	5%	1/10W
R712	1-216-073-00	METAL CHIP	10K	5%	1/10W
R713	1-216-073-00	METAL CHIP	10K	5%	1/10W
R714	1-216-073-00	METAL CHIP	10K	5%	1/10W
R715	1-216-049-00	METAL CHIP	1K	5%	1/10W
R716	1-216-049-00	METAL CHIP	1K	5%	1/10W
R717	1-216-049-00	METAL CHIP	1K	5%	1/10W
R718	1-216-049-00	METAL CHIP	1K	5%	1/10W
R719	1-216-049-00	METAL CHIP	1K	5%	1/10W
R720	1-216-049-00	METAL CHIP	1K	5%	1/10W
R721	1-216-097-00	METAL CHIP	100K	5%	1/10W
R722	1-216-097-00	METAL CHIP	100K	5%	1/10W
R723	1-216-073-00	METAL CHIP	10K	5%	1/10W
R724	1-216-073-00	METAL CHIP	10K	5%	1/10W
R725	1-216-073-00	METAL CHIP	10K	5%	1/10W
R726	1-216-097-00	METAL CHIP	100K	5%	1/10W
R727	1-216-097-00	METAL CHIP	100K	5%	1/10W
R728	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R729	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R730	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R731	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R732	1-216-049-00	METAL CHIP	1K	5%	1/10W
R733	1-216-049-00	METAL CHIP	1K	5%	1/10W
R734	1-216-049-00	METAL CHIP	1K	5%	1/10W
		< VIBRATOR >			
X701	1-567-927-11	VIBRATOR, CERAMIC (16MHz)			
X702	1-579-970-11	VIBRATOR, CERAMIC (32MHz)			

*	A-7072-022-A FL-59P BOARD, COMPLETE (AEP, UK)				
*	A-7072-047-A FL-59U BOARD, COMPLETE (US, Canadian)				

	(Ref. No 3,000series)				
		< CAPACITOR >			
C301	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C351	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C352	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C353	1-163-038-00	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
CN401	1-691-199-21	CONNECTOR, FPC 26P			
CN402	1-506-491-11	PIN, CONNECTOR 12P			

FL-59P**FL-59U****FR-85****FR-85P**

Ref. No.	Part No.	Description	Remark
< DIODE >			

D301 8-719-157-33 DIODE RD6. 2M-B
D302 8-719-106-43 DIODE RD9. 1M-B1
D303 8-719-106-43 DIODE RD9. 1M-B1
D304 8-719-106-43 DIODE RD9. 1M-B1
D305 8-719-106-43 DIODE RD9. 1M-B1

D306 8-719-106-43 DIODE RD9. 1M-B1
D307 8-719-106-43 DIODE RD9. 1M-B1
D308 8-719-106-43 DIODE RD9. 1M-B1
D309 8-719-157-33 DIODE RD6. 2M-B
D310 8-719-106-43 DIODE RD9. 1M-B1

D311 8-719-106-43 DIODE RD9. 1M-B1
D312 8-719-106-43 DIODE RD9. 1M-B1
D313 8-719-106-43 DIODE RD9. 1M-B1
D314 8-719-106-43 DIODE RD9. 1M-B1
D315 8-719-106-43 DIODE RD9. 1M-B1

D316 8-719-106-43 DIODE RD9. 1M-B1
D333 8-719-124-13 DIODE PH310
D351 8-719-800-76 DIODE 1SS226

< FERRITE BEAD >

FB301 1-543-775-11 FILTER, EMI
FB302 1-543-775-11 FILTER, EMI
FB303 1-543-775-11 FILTER, EMI
FB304 1-543-775-11 FILTER, EMI
FB305 1-543-775-11 FILTER, EMI

FB306 1-543-775-11 FILTER, EMI
FB308 1-543-775-11 FILTER, EMI
FB309 1-543-775-11 FILTER, EMI
FB310 1-543-775-11 FILTER, EMI
FB311 1-543-775-11 FILTER, EMI

< JACK >

J301 1-750-212-11 CONNECTOR (ROUND TYPE) 4P
(PLAYER INPUT3, S VIDEO)
J302 1-691-110-21 JACK, PIN 3P
(PLAYER INPUT3, VIDEO/AUDIO)
J303 1-566-822-21 JACK (MIC)
J304 1-691-258-11 JACK (PLAYER INPUT3, LANC)
J305 1-691-258-21 JACK (IR REPEATER)

< TRANSISTOR >

Q301 8-729-120-28 TRANSISTOR 2SC1623-L5L6
Q302 8-729-140-75 TRANSISTOR 2SD999-CLK
Q351 8-729-120-28 TRANSISTOR 2SC1623-L5L6
Q352 8-729-120-28 TRANSISTOR 2SC1623-L5L6

Ref. No.	Part No.	Description	Remark
< RESISTOR >			

R301 1-216-001-00 METAL CHIP 10 5% 1/10W
R302 1-216-049-00 METAL CHIP 1K 5% 1/10W
R351 1-216-071-00 METAL CHIP 8. 2K 5% 1/10W
R352 1-216-065-00 METAL CHIP 4. 7K 5% 1/10W
R353 1-216-085-00 METAL CHIP 33K 5% 1/10W
R354 1-216-073-00 METAL CHIP 10K 5% 1/10W
R355 1-216-115-00 METAL CHIP 560K 5% 1/10W
R356 1-216-095-00 METAL CHIP 82K 5% 1/10W
R357 1-216-097-00 METAL CHIP 100K 5% 1/10W
R358 1-216-085-00 METAL CHIP 33K 5% 1/10W

* A-7071-957-A FR-85 BOARD, COMPLETE (US, Canadian)
* A-7072-023-A FR-85P BOARD, COMPLETE (AEP, UK)

(Ref. No. 3,000 series)

< CAPACITOR >

C401 1-124-779-00 ELECT CHIP 10uF 20% 16V
C402 1-163-038-00 CERAMIC CHIP 0.1uF 25V
C403 1-124-779-00 ELECT CHIP 10uF 20% 16V
C406 1-126-206-11 ELECT CHIP 100uF 20% 6. 3V
C407 1-124-779-00 ELECT CHIP 10uF 20% 16V
C410 1-126-206-11 ELECT CHIP 100uF 20% 6. 3V

< CONNECTOR >

CN403 1-691-199-21 CONNECTOR, FPC 26P

< DIODE >

D401 8-719-157-33 DIODE RD6. 2M-B
D402 8-719-157-33 DIODE RD6. 2M-B
D403 8-719-157-33 DIODE RD6. 2M-B
D404 8-719-157-33 DIODE RD6. 2M-B

< FERRITE BEAD >

FB401 1-543-775-11 FILTER, EMI
FB402 1-543-775-11 FILTER, EMI
FB552 1-543-775-11 FILTER, EMI
FB553 1-543-775-11 FILTER, EMI
FB554 1-543-775-11 FILTER, EMI

FB555 1-543-775-11 FILTER, EMI
FB556 1-543-775-11 FILTER, EMI

< IC >

IC401 8-759-700-45 IC NJM4556M-A (HEADPHONE AMP)

FR-85**FR-85P****KM-13**

Ref. No.	Part No.	Description	Remark		
< JACK >					
J401	1-566-822-31	JACK (HEADPHONES)			
J555	1-569-766-11	JACK (CONTROL UNIT)			
< TRANSISTOR >					
Q401	8-729-107-46	TRANSISTOR 2SC3624A-L15			
Q402	8-729-107-46	TRANSISTOR 2SC3624A-L15			
Q403	8-729-107-46	TRANSISTOR 2SC3624A-L15			
Q404	8-729-107-46	TRANSISTOR 2SC3624A-L15			
< RESISTOR >					
R401	1-216-081-00	METAL CHIP 22K 5% 1/10W			
R402	1-216-073-00	METAL CHIP 10K 5% 1/10W			
R405	1-216-009-00	METAL CHIP 22 5% 1/10W			
R406	1-216-049-00	METAL CHIP 1K 5% 1/10W			
R407	1-216-065-00	METAL CHIP 4.7K 5% 1/10W			
R408	1-216-081-00	METAL CHIP 22K 5% 1/10W			
R409	1-216-073-00	METAL CHIP 10K 5% 1/10W			
R412	1-216-009-00	METAL CHIP 22 5% 1/10W			
R413	1-216-049-00	METAL CHIP 1K 5% 1/10W			
R414	1-216-065-00	METAL CHIP 4.7K 5% 1/10W			
R415	1-216-009-00	METAL CHIP 22 5% 1/10W			
R416	1-216-049-00	METAL CHIP 1K 5% 1/10W			
R417	1-216-009-00	METAL CHIP 22 5% 1/10W			
R418	1-216-049-00	METAL CHIP 1K 5% 1/10W			
R419	1-216-045-00	METAL CHIP 680 5% 1/10W			
R420	1-216-045-00	METAL CHIP 680 5% 1/10W			
R421	1-216-045-00	METAL CHIP 680 5% 1/10W			
< VARIABLE RESISTOR >					
RV401	1-241-506-11	RES, VAR, CARBON 1K/1K (HEADPHONES)			

Ref. No.	Part No.	Description	Remark		
*	A-7072-024-A	KM-13 BOARD, COMPLETE	***** (Ref. No 4,000 series)		
< CAPACITOR >					
C801	1-126-395-11	ELECT 22uF 20% 16V			
C802	1-126-395-11	ELECT 22uF 20% 16V			
C803	1-126-206-11	ELECT CHIP 100uF 20% 6.3V			
C804	1-163-038-00	CERAMIC CHIP 0.1uF 25V			
C805	1-163-038-00	CERAMIC CHIP 0.1uF 25V			
C806	1-163-038-00	CERAMIC CHIP 0.1uF 25V			
C807	1-163-038-00	CERAMIC CHIP 0.1uF 25V			
< CONNECTOR >					
CN801	1-506-487-11	PIN, CONNECTOR 8P			
CN802	1-569-936-11	SOCKET, CONNECTOR 20P			
< DIODE >					
D801	8-719-106-43	DIODE RD9.1M-B1			
D802	8-719-157-33	DIODE RD6.2M-B			
D803	8-719-800-76	DIODE 1SS226			
D804	8-719-800-76	DIODE 1SS226			
D805	8-719-800-76	DIODE 1SS226			
D806	8-719-800-76	DIODE 1SS226			
D807	8-719-800-76	DIODE 1SS226			
D808	8-719-800-76	DIODE 1SS226			
D809	8-719-800-76	DIODE 1SS226			
D810	8-719-800-76	DIODE 1SS226			
D811	8-719-157-33	DIODE RD6.2M-B			
< FERRITE BEAD >					
FB801	1-543-813-21	FILTER, EMI			
FB802	1-543-813-21	FILTER, EMI			
FB804	1-543-813-21	FILTER, EMI			
FB805	1-543-813-21	FILTER, EMI			
FB806	1-543-813-21	FILTER, EMI			
FB811	1-543-813-21	FILTER, EMI			
FB812	1-543-813-21	FILTER, EMI			
FB814	1-543-813-21	FILTER, EMI			
FB815	1-543-813-21	FILTER, EMI			
< IC >					
IC801	8-759-157-17	IC PQ05SZ1U (REG)			
IC802	8-759-032-01	IC MC74HC00AF (NAND)			
IC803	8-759-032-01	IC MC74HC00AF (NAND)			
IC804	8-759-937-56	IC S-8054ALB-LM-S (RESET)			
IC805	8-759-253-14	IC MB89131-16S (KEYBOARD MICOM)			

Ref. No.	Part No.	Description	Remark		
< JACK >					
J888	1-569-766-11	JACK			
< TRANSISTOR >					
Q801	8-729-140-47	TRANSISTOR	2SC3735-L-B35		
Q802	8-729-140-47	TRANSISTOR	2SC3735-L-B35		
Q803	8-729-140-47	TRANSISTOR	2SC3735-L-B35		
Q804	8-729-140-47	TRANSISTOR	2SC3735-L-B35		
Q805	8-729-923-80	TRANSISTOR	DTC143EK		
Q806	8-729-923-80	TRANSISTOR	DTC143EK		
Q807	8-729-923-80	TRANSISTOR	DTC143EK		
Q808	8-729-923-80	TRANSISTOR	DTC143EK		
Q809	8-729-923-80	TRANSISTOR	DTC143EK		
Q810	8-729-923-80	TRANSISTOR	DTC143EK		
< RESISTOR >					
R801	1-216-025-00	METAL CHIP	100	5%	1/10W
R802	1-216-049-00	METAL CHIP	1K	5%	1/10W
R803	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R804	1-216-025-00	METAL CHIP	100	5%	1/10W
R805	1-216-049-00	METAL CHIP	1K	5%	1/10W
R806	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R807	1-216-025-00	METAL CHIP	100	5%	1/10W
R808	1-216-041-00	METAL CHIP	470	5%	1/10W
R809	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R810	1-216-073-00	METAL CHIP	10K	5%	1/10W
R811	1-216-025-00	METAL CHIP	100	5%	1/10W
R812	1-216-049-00	METAL CHIP	1K	5%	1/10W
R813	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R814	1-216-025-00	METAL CHIP	100	5%	1/10W
R815	1-216-041-00	METAL CHIP	470	5%	1/10W
R816	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R817	1-216-073-00	METAL CHIP	10K	5%	1/10W
R818	1-216-025-00	METAL CHIP	100	5%	1/10W
R819	1-216-041-00	METAL CHIP	470	5%	1/10W
R820	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R821	1-216-073-00	METAL CHIP	10K	5%	1/10W
R822	1-216-025-00	METAL CHIP	100	5%	1/10W
R823	1-216-049-00	METAL CHIP	1K	5%	1/10W
R824	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R825	1-216-025-00	METAL CHIP	100	5%	1/10W
R826	1-216-041-00	METAL CHIP	470	5%	1/10W
R827	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R828	1-216-073-00	METAL CHIP	10K	5%	1/10W
R829	1-216-073-00	METAL CHIP	10K	5%	1/10W
R830	1-216-073-00	METAL CHIP	10K	5%	1/10W
R831	1-216-073-00	METAL CHIP	10K	5%	1/10W
R832	1-216-073-00	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description	Remark		
R833	1-216-073-00	METAL CHIP	10K	5%	1/10W
R834	1-216-073-00	METAL CHIP	10K	5%	1/10W
R835	1-216-073-00	METAL CHIP	10K	5%	1/10W
R836	1-216-073-00	METAL CHIP	10K	5%	1/10W
R837	1-216-073-00	METAL CHIP	10K	5%	1/10W

R838	1-216-073-00	METAL CHIP	10K	5%	1/10W
R839	1-216-073-00	METAL CHIP	10K	5%	1/10W
R840	1-216-073-00	METAL CHIP	10K	5%	1/10W
R841	1-216-073-00	METAL CHIP	10K	5%	1/10W
R842	1-216-073-00	METAL CHIP	10K	5%	1/10W

R843	1-216-073-00	METAL CHIP	10K	5%	1/10W
< VIBRATOR >					
X801	1-577-101-11	VIBRATOR, CERAMIC (4.19MHz)			

* A-7071-955-A PS-317 BOARD, COMPLETE (US, Canadian)
 * A-7072-021-A PS-317P BOARD, COMPLETE (AEP, UK)

 (Ref. No 3,000series)

D201	8-719-037-62	LED	CL-140D-CD-T (RECODER)
D202	8-719-985-27	LED	CL-140Y-CD (PLAYER 3)
D203	8-719-985-27	LED	CL-140Y-CD (PLAYER 2)
D204	8-719-985-27	LED	CL-140Y-CD (PLAYER 1)
D205	8-719-984-31	LED	CL-140R-CD (STANDBY)

D206	8-719-987-02	LED	CL-140PG-CD (POWER ON/OFF)
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< RESISTOR >

R201	1-216-029-00	METAL CHIP	150	5%	1/10W
R202	1-216-029-00	METAL CHIP	150	5%	1/10W
R203	1-216-029-00	METAL CHIP	150	5%	1/10W
R204	1-216-029-00	METAL CHIP	150	5%	1/10W
R205	1-216-041-00	METAL CHIP	470	5%	1/10W

R206	1-216-029-00	METAL CHIP	150	5%	1/10W
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< SWITCH >

S201	1-692-446-11	SWITCH, TACTIL (LS20BB-2-T) (RECODER)	
S202	1-692-446-11	SWITCH, TACTIL (LS20BB-2-T) (PLAYER 3)	
S203	1-692-446-11	SWITCH, TACTIL (LS20BB-2-T) (PLAYER 2)	
S204	1-692-446-11	SWITCH, TACTIL (LS20BB-2-T) (PLAYER1)	
S205	1-692-446-11	SWITCH, TACTIL (LS20BB-2-T) (POWER ON/STANDBY)	

PW-106P**PW-106U****RP-175****RP-175P**

Ref. No.	Part No.	Description	Remark
△*	A-7066-029-A	PW-106P BOARD, COMPLETE (AEP, UK)	
△*	A-7066-130-A	PW-106U BOARD, COMPLETE (US, Canadian)	
***** (Ref. No 5,000 series)			

△	1-532-740-11	FUSE, GLASS TUBE (US, Canadian)
	1-533-189-11	HOLDER, FUSE
△	1-576-225-21	FUSE (H. B. C.) (AEP, UK)

< CAPACITOR >

△C001	1-104-706-11	FILM	0.22uF	20%	250V
△C002	1-104-705-11	FILM	0.1uF	20%	250V
△C003	1-107-397-11	ELECT (US, Canadian)	330uF	20%	200V
△C003	1-107-400-11	ELECT (AEP, UK)	150uF	20%	400V
△C008	1-161-740-00	CERAMIC (US, Canadian)	470PF	10%	400V
△C008	1-161-741-00	CERAMIC (AEP, UK)	0.001uF	10%	400V
△C009	1-161-740-00	CERAMIC (US, Canadian)	470PF	10%	400V
△C009	1-161-741-00	CERAMIC (AEP, UK)	0.001uF	10%	400V
△C010	1-161-741-00	CERAMIC (AEP, UK)	0.001uF	10%	400V
△C011	1-161-741-00	CERAMIC (AEP, UK)	0.001uF	10%	400V
△C012	1-161-742-00	CERAMIC (US, Canadian)	0.0022uF	20%	400V
△C012	1-162-599-12	CERAMIC (AEP, UK)	0.0047uF	20%	400V
△C013	1-162-599-12	CERAMIC (AEP, UK)	0.0047uF	20%	400V
△C014	1-162-599-12	CERAMIC (AEP, UK)	0.0047uF	20%	400V
C021	1-124-480-11	ELECT (US, Canadian)	470uF	20%	25V
C021	1-124-557-11	ELECT (AEP, UK)	1000uF	20%	25V
C022	1-124-360-00	ELECT	1000uF	20%	16V

< CONNECTOR >

CN001	1-564-321-00	PIN, CONNECTOR 2P
* CN105	1-560-895-00	PIN, CONNECTOR 7P

< COMPOSITION CIRCUIT BLOCK >

△CP101	1-413-895-11	POWER BLOCK (US, Canadian)
△CP101	1-413-897-11	POWER BLOCK (AEP, UK)

Ref. No.	Part No.	Description	Remark
< DIODE >			

△D001	8-719-510-06	DIODE S1WB60	
< FUSE >			

△F301	1-532-779-11	FUSE, MICRO (SECONDARY) (US, Canadian)	
△F302	1-532-776-21	FUSE, MICRO (SECONDARY) (US, Canadian)	

< COIL >

L021	1-403-588-11	CIL, CHOKE 22uH
L022	1-403-588-11	CIL, CHOKE 22uH

△LF001	1-424-672-11	TRANSFORMER, LINE FILTER
< IC LINK >		

△PS201	1-532-984-11	LINK, IC 2.0A (ICP-N50) (AEP, UK)
△PS202	1-532-637-00	LINK, IC 1.0A (ICP-N25) (AEP, UK)

△R001	1-214-947-00	METAL	2.7M	1%	1/2W
△R003	1-216-397-11	WIREWOUND	4.7	10%	2W F

*	A-7071-953-A	RP-175 BOARD, COMPLETE (US, Canadian)
*	A-7072-019-A	RP-175P BOARD, COMPLETE (AEP, UK)
***** (Ref. No 2,000 series)		

< CONNECTOR >

* CN101	1-562-717-11	CONNECTOR, 34P
* CN201	1-562-717-11	CONNECTOR, 34P
* CN301	1-562-717-11	CONNECTOR, 34P

< DIODE >

D101	8-719-157-33	DIODE RD6.2M-B
D102	8-719-157-33	DIODE RD6.2M-B
D103	8-719-157-33	DIODE RD6.2M-B
D104	8-719-157-33	DIODE RD6.2M-B
D105	8-719-157-33	DIODE RD6.2M-B

D106	8-719-157-33	DIODE RD6.2M-B
D107	8-719-157-33	DIODE RD6.2M-B
D108	8-719-157-33	DIODE RD6.2M-B
D901	8-719-106-43	DIODE RD9.1M-B1
D902	8-719-106-43	DIODE RD9.1M-B1

D903	8-719-106-43	DIODE RD9.1M-B1
D904	8-719-106-43	DIODE RD9.1M-B1
D905	8-719-106-43	DIODE RD9.1M-B1
D906	8-719-106-43	DIODE RD9.1M-B1

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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RP-175**RP-175P**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D907	8-719-106-43	DIODE	RD9. 1M-B1				< FERRITE BEAD >
D908	8-719-106-43	DIODE	RD9. 1M-B1				
D909	8-719-106-43	DIODE	RD9. 1M-B1				
D910	8-719-106-43	DIODE	RD9. 1M-B1				
D911	8-719-157-33	DIODE	RD6. 2M-B				
D912	8-719-157-33	DIODE	RD6. 2M-B				
D913	8-719-106-43	DIODE	RD9. 1M-B1				
D914	8-719-106-43	DIODE	RD9. 1M-B1				
D915	8-719-106-43	DIODE	RD9. 1M-B1				
D916	8-719-106-43	DIODE	RD9. 1M-B1				
D917	8-719-106-43	DIODE	RD9. 1M-B1				
D918	8-719-106-43	DIODE	RD9. 1M-B1				
D919	8-719-106-43	DIODE	RD9. 1M-B1				
D920	8-719-106-43	DIODE	RD9. 1M-B1				
D921	8-719-106-43	DIODE	RD9. 1M-B1				
D922	8-719-106-43	DIODE	RD9. 1M-B1				
D923	8-719-106-43	DIODE	RD9. 1M-B1				
D924	8-719-106-43	DIODE	RD9. 1M-B1				
D925	8-719-106-43	DIODE	RD9. 1M-B1				
D926	8-719-106-43	DIODE	RD9. 1M-B1				
D927	8-719-106-43	DIODE	RD9. 1M-B1				
D928	8-719-106-43	DIODE	RD9. 1M-B1				
D929	8-719-106-43	DIODE	RD9. 1M-B1				
D930	8-719-106-43	DIODE	RD9. 1M-B1				
D931	8-719-106-43	DIODE	RD9. 1M-B1				
D932	8-719-106-43	DIODE	RD9. 1M-B1				
D933	8-719-106-43	DIODE	RD9. 1M-B1				
D934	8-719-106-43	DIODE	RD9. 1M-B1				
D935	8-719-106-43	DIODE	RD9. 1M-B1				
D936	8-719-106-43	DIODE	RD9. 1M-B1				
D937	8-719-106-43	DIODE	RD9. 1M-B1				
D938	8-719-106-43	DIODE	RD9. 1M-B1				
D939	8-719-106-43	DIODE	RD9. 1M-B1				
D940	8-719-106-43	DIODE	RD9. 1M-B1				
D941	8-719-106-43	DIODE	RD9. 1M-B1				
D942	8-719-106-43	DIODE	RD9. 1M-B1				
D943	8-719-106-43	DIODE	RD9. 1M-B1				
D944	8-719-106-43	DIODE	RD9. 1M-B1				
D945	8-719-106-43	DIODE	RD9. 1M-B1				
D946	8-719-106-43	DIODE	RD9. 1M-B1				
D947	8-719-106-43	DIODE	RD9. 1M-B1				
D948	8-719-106-43	DIODE	RD9. 1M-B1				
D949	8-719-106-43	DIODE	RD9. 1M-B1				
D950	8-719-106-43	DIODE	RD9. 1M-B1				
				FB101	1-543-775-11	FILTER, EMI	
				FB102	1-543-775-11	FILTER, EMI	
				FB103	1-543-775-11	FILTER, EMI	
				FB104	1-543-775-11	FILTER, EMI	
				FB105	1-543-775-11	FILTER, EMI	
				FB106	1-543-775-11	FILTER, EMI	
				FB107	1-543-775-11	FILTER, EMI	
				FB108	1-543-775-11	FILTER, EMI	
				FB109	1-543-775-11	FILTER, EMI	
				FB110	1-543-775-11	FILTER, EMI	
				FB111	1-543-775-11	FILTER, EMI	
				FB112	1-543-775-11	FILTER, EMI	
				FB113	1-543-775-11	FILTER, EMI	
				FB114	1-543-775-11	FILTER, EMI	
				FB115	1-543-775-11	FILTER, EMI	
				FB116	1-543-775-11	FILTER, EMI	
				FB131	1-543-775-11	FILTER, EMI	
				FB132	1-543-775-11	FILTER, EMI	
				FB133	1-543-775-11	FILTER, EMI	
				FB134	1-543-775-11	FILTER, EMI	
				FB135	1-543-775-11	FILTER, EMI	
				FB136	1-543-775-11	FILTER, EMI	
				FB137	1-543-775-11	FILTER, EMI	
				FB138	1-543-775-11	FILTER, EMI	
				FB139	1-543-775-11	FILTER, EMI	
				FB140	1-543-775-11	FILTER, EMI	
				FB141	1-543-775-11	FILTER, EMI	
				FB142	1-543-775-11	FILTER, EMI	
				FB143	1-543-775-11	FILTER, EMI	
				FB144	1-543-775-11	FILTER, EMI	
				FB145	1-543-775-11	FILTER, EMI	
				FB146	1-543-775-11	FILTER, EMI	
				FB147	1-543-775-11	FILTER, EMI	
				FB148	1-543-775-11	FILTER, EMI	
				FB149	1-543-775-11	FILTER, EMI	
				FB150	1-543-775-11	FILTER, EMI	
				FB151	1-543-775-11	FILTER, EMI	
				FB152	1-543-775-11	FILTER, EMI	
				FB153	1-543-775-11	FILTER, EMI	
				FB154	1-543-775-11	FILTER, EMI	
				FB155	1-543-775-11	FILTER, EMI	
				FB156	1-543-775-11	FILTER, EMI	
				FB157	1-543-775-11	FILTER, EMI	
				FB158	1-543-775-11	FILTER, EMI	
				FB159	1-543-775-11	FILTER, EMI	
				FB160	1-543-775-11	FILTER, EMI	
				FB161	1-543-775-11	FILTER, EMI	

Ref. No.	Part No.	Description	Remark
FB162	1-543-775-11	FILTER, EMI	
FB163	1-543-775-11	FILTER, EMI	
FB164	1-543-775-11	FILTER, EMI	
FB165	1-543-775-11	FILTER, EMI	
FB166	1-543-775-11	FILTER, EMI	
FB167	1-543-775-11	FILTER, EMI	
FB168	1-543-775-11	FILTER, EMI	
FB169	1-543-775-11	FILTER, EMI	
FB170	1-543-775-11	FILTER, EMI	
FB171	1-543-775-11	FILTER, EMI	

< JACK >

*	J101	1-537-672-11	TERMINAL BOARD (PLAYER INPUT 1/2)
	J103	1-750-211-11	JACK BLOCK, PIN 2P (AUX AUDIO INPUT)
*	J104	1-537-672-11	TERMINAL BOARD (PROCESSOR IN/OUT 1)
*	J105	1-537-648-11	TERMINAL BLOCK, S (PROCESSOR OUT 2)
*	J106	1-537-672-11	TERMINAL BOARD (PROCESSOR IN/OUT)
*	J107	1-537-648-11	TERMINAL BLOCK, S (MONITOR OUT)
	J108	1-568-800-11	JACK, ULTRA SMALL (LANC)
	J109	1-568-800-11	JACK, ULTRA SMALL (LANC)
	J110	1-568-800-11	JACK, ULTRA SMALL (RECODER)
	J111	1-563-935-31	JACK, STEREO HEADPHONE (GPI OUT)
	J112	1-563-935-31	JACK, STEREO HEADPHONE (CTRL S OUT)

MISCELLANEOUS

11	1-751-796-11	CORD, CONNECTION
53	1-751-996-11	CABLE, 1.0MM PITCH FLAT (FAF-1)
62	1-751-997-11	WIRE (FLAT) (FFC CONNECTOR)
△75	1-251-134-11	INLET, AC (250V/2.5A) (AEP, UK)
△75	1-251-135-11	INLET, AC (250V/1A) (US, Canadian)
103	1-467-712-11	KEY BOARD UNIT
109	1-751-796-11	CORD, CONNECTION
△F001	1-532-740-11	FUSE GLASS TUBE (125V/1A) (US, Canadian)
△F001	1-576-225-21	FUSE GLASS TUBE (250V/1A) (AEP, UK)

Ref. No.	Part No.	Description	Remark
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HARDWARE LIST

#1	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S
#2	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S
#3	7-685-133-19	SCREW +P 2.6X6 TYPE2 NON-SLIT
#4	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3
#5	7-682-547-09	SCREW +BVTT 3X6 (S)

ACCESSORIES & PACKING MATERIALS

▲	1-467-685-11	REPEATER, IR
	1-574-056-11	CORD, POWER (250V/2.5A) (AEP, UK)
	1-574-316-11	CORD, CONNECTION (LANC CONTROL (L) CABLE)
	1-574-496-11	CORD, CONNECTION (S/GPI CONTROL CABLE)
	1-575-334-11	CORD, CONNECTION (AV CABLE)
	1-575-335-21	CORD, CONNECTION (S VIDEO CABLE) (AEP, UK)
	1-590-796-21	CORD, CONNECTION (CONTROL L CONVERT CABLE)
	1-590-879-11	CORD, CONNECTION (VISCA CABLE) (AEP, UK)
	1-751-498-21	CORD, CONNECTION (S VIDEO CABLE) (US, Canadian)
▲	1-751-676-11	CORD, POWER (125V/7A) (US, Canadian)
	3-334-173-01	SHEET, PROTECTION
	3-677-503-03	SHEET, PROTECTION
	3-757-948-11	MANUAL, INSTRUCTION (ENGLISH)
	3-757-948-31	MANUAL, INSTRUCTION (FRENCH) (Canadian, AEP)
	3-757-948-41	MANUAL, INSTRUCTION (GERMANY) (AEP)
	3-757-948-51	MANUAL, INSTRUCTION (SPANISH) (AEP)
	3-757-948-61	MANUAL, INSTRUCTION (NETHERLANDS) (AEP)
	3-757-948-81	MANUAL, INSTRUCTION (ITALIAN) (AEP)
*	3-795-581-21	SAFEGUARD (SONY), IMPORTANT (US)
*	3-953-465-01	CUSHION, FRONT
*	3-953-466-01	CUSHION, REAR
*	3-953-703-01	CUSHION (R), PULPE
*	3-953-704-01	CUSHION (L), PULPE
*	3-959-494-01	INDIVIDUAL CARTON
*	3-959-495-01	CUSHION (L), KEY BOARD
*	3-959-496-01	CUSHION (R), KEY BOARD

The components identified by mark ▲ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.